BASIC AMERICAN
MEDICAL PRODUCTS

ZENITH
SERIES

Zenith 7000

INSTRUCTIONS FOR USE
SERVICE MANUAL

To avoid personal injury or damage to bed, please read all sections pertaining to your bed model before use.

ETL/UL/CSA APPROVED
UL 60601-1
IEC 60601-2-38
CSA 22.2 601.1

This service manual covers the following Zenith Models:

76” & 80” Full-Electric with Pedal Lock Caster System & Grid Decks = ZZ78174;

BASIC AMERICAN
MEDICAL PRODUCTS

Basic American Medical Products
336 Trowbridge Drive
Fond du Lac, WI 54937

For Zenith 7000 Bed Service Parts please contact
our Customer Service Department at
1-800-365-2338

GF Health Products, Inc.
2935A Northwest Parkway
Atlanta, GA 30360
www.grahamfield.com

To order a Zenith 7000 Bed please contact a
Graham Field Sales Representative at
1-800-554-9215

IMPORTANT NOTICE

The information contained in this document is subject to change without notice.
Please reference www.grahamfield.com for updates.
Please check all parts for shipping damage and test before using.
In case of damage, DO NOT USE.

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LABEL SYMBOL DEFINITIONS

Consult Accompanying Documents

Safe Working Load

Protected Grounded Device

Type B Equipment & Applied Parts

IMPORTANT SAFETY AND WARNING INFORMATION

This product is a variable height, adjustable mattress platform, which will provide comfort and convenience for residents/patients and caregivers in long term care settings.

The MAXIMUM SAFE WORKING LOAD for the Zenith 7000 Bed, including the mattress, panels, side rails, and accessories, taking into consideration proper positioning, patient size, realignment, transfer, and overall care, is 500 lbs.

NEVER operate the bed if a Power Cord or Plug is damaged or not working properly. Contact qualified Service Personnel for examination and repair. Always unplug the Power Cord when performing any maintenance on the bed.

DO NOT open assemblies such as the Actuators, Hand Control, or Control Box. If unauthorized personnel perform work on these components, the manufacturer's warranty becomes void.

DO NOT use unauthorized parts, accessories, or adapters other than those specified/authorized by GF Health Products, Inc.

When operating the High/Low, Knee, or Back Functions of the bed, ALWAYS ensure that the confined individual is positioned properly within the confines of the bed. DO NOT let any extremities protrude over the side or between the bed rails when performing these functions.

DO NOT lower the bed when objects are beneath it. Failure to inspect under the bed can result in damage to property or personal injury.

The beds Pendant Cord MUST BE ROUTED AND SECURED PROPERLY to ensure it does not become entangled and eventually severed during use. Also make sure all electrical cords DO NOT get tangled around the bed, side rails, or legs during transport or normal operation of the bed.

When using nasal- or masked-type administering equipment, all oxygen or air tubing MUST BE ROUTED AND SECURED PROPERLY to ensure that the tubing does not become entangled and eventually severed during the normal operation of the bed.

The bed should ALWAYS be left in its lowest position when unattended to reduce the risk of injury. If patient/resident is ambulatory, leave at chair height.

Keep all moving parts free of obstructions (i.e. blankets/sheets, heating blankets/pads, wiring, etc.)

DO NOT use the side rails as push handles for moving the bed. Side rails can be deformed or broken if excessive side pressure is exerted. Rails are not meant for patients considered as high risks for entrapment (i.e. patients with pre-existing conditions such as confusion, restlessness, lack of muscle control, altered mental status, either organic or medicinal, or a combination thereof). Additional safety measures should be considered for such high-risk patients.

NEVER permit more than one (1) person on/in the bed at any time.

Body weight should be evenly distributed over the sleeping surface of the bed. DO NOT allow the patient to lay, sit, or lean in such a way that their entire body weight is placed only on the raised head or foot sections of the bed. This especially applies when repositioning or transferring a patient in or out of the bed. Increased risk may occur when the patient's size and/or weight are inappropriate for the beds dimensions or weight capacity.

The bed is intended for use, storage, and transport within a temperature range of -40˚C to +60˚C (-40˚F to 140˚F). It has a water-resistance rating of IPX4 and IS NOT to be power-washed or submersed.

CLEANING - USE ONLY WATER AND DETERGENT BASED PRODUCTS to clean the bed. DO NOT USE any Harsh Chemicals or Products containing Ammonium Chloride or Isopropyl Alcohol.

OPERATING CONDITIONS

Operation of the bed is based on the following conditions: Ambient Temperature of +10˚C to +40˚C (50˚F to 104˚F; Relative Humidity of 30% to 75% (Non-condensing); Atmospheric Pressure of 700hPa to 1060hPa; and a Splash Protection of IEC 60529.

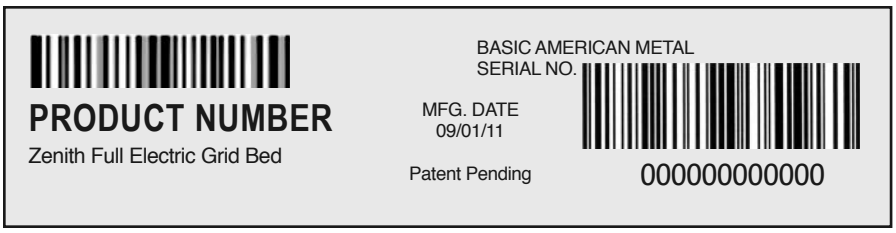
STORAGE

Storage of the bed is based on the following conditions: Ambient Temperature of -10˚C to 70˚C (14˚F to 158˚F); Relative Humidity of 10% to 100%; and an Atmospheric Pressure of 500hPa to 1060hPa.

RADIO FREQUENCY INTERFERENCE (RFI)

RFI influences most electronic equipment. Caution should be exercised with regard to the use of portable communications equipment in the area around such equipment. If RFI causes erratic behavior, shut the bed off immediately. Leave it off while the transmission is in progress.

TYPICAL 7000 BED IDENTIFICATION LABELS with Grounded Electrical Cable



Bed labels are an important part of identifying your beds make and model when ordering replacement parts. The Serial Number is essential if you are claiming parts or service under warranty. These helpful labels can be located on the main frame rails, immediately below the sleep decks on either side of the bed.

Please have this IMPORTANT information ready when calling our customer service or technical support staff at 800-365-2338. It will allow us to better assist you and quickly answer your questions and concerns.

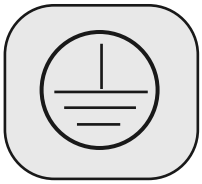
TYPICAL SAFETY/WARNING BED LABELS

The following warning labels have been placed on your bed to help protect you and your bed from damage. Please do not remove any labels from your bed.

WARNING!
DO NOT LOWER BED WHEN OBJECTS ARE BENEATH BED. FAILURE TO INSPECT UNDER BED CAN RESULT IN DAMAGE TO PROPERTY OR PERSONAL INJURY.

ATTENTION:
S'assurer de ne pas faire descendre le lit lorsque des objets se trouvent sous le lit. Ne pas inspecter le dessous du lit pourrait entrainer des dommages materiels et des risques de blessures.

CAUTION
THIS BED IS SUITABLE FOR USE ONLY WITH OXYGEN ADMINISTERING EQUIPMENT OF THE NASAL OR MASK TYPE OR A TENT COVERING ONLY THE UPPER HALF (HEAD END) OF THE BED. OXYGEN TENT CANOPIES SHOULD NOT EXTEND BELOW BED SPRING LEVEL. LOCK HAND CONTROL AT FOOT OF BED WHEN USING OXYGEN ADMINISTERING EQUIPMENT.



WARNING!
DO NOT LOWER BED WHEN OBJECTS ARE BENEATH BED. FAILURE TO INSPECT UNDER BED CAN RESULT IN DAMAGE TO PROPERTY OR PERSONAL INJURY.

ATTENTION:
CE LIT PEUT ETRE UTILISE UNIQUEMENT AVEC UN EQUIPMENT DESTINE A L'ADMINISTRATION D'OXYGENE DE TYPE NASAL OU MASQUE OU AVEC UNE TENTE RECOUVRANT SEULEMENT LA MOTTIE AVENT (TETE) DU LIT. LES COTES DE LAS TENTE OXYGENE NE DOIVENT PAS SE PROLONGER PLUS DAS QUE LA SOMMIER DU LIT.

ENTRAPMENT & COMPLIANCE INFORMATION

On March 10, 2006, the FDA (U.S. Food and Drug Administration) released long-awaited guidelines for reducing the risk of bed entrapment: *"Hospital Bed System Dimensional and Assessment Guidance to Reduce Entrapment"*. The new Guidance identifies potential entrapment areas and those body parts most at risk for entrapment; provides design criteria for manufacturers of new hospital/convalescent beds; recommends particular test methods to assess the conformance of existing hospital/convalescent bed systems; and answers frequently-asked questions about entrapment issues.

The new Guidance was a result of a long-standing collaboration between the ***FDA*** and the ***Hospital Bed Safety Workgroup*** *(HBSW)*, formed in 1999. Graham-Field's Long-Term Care Bed division: *Basic American Medical Products*, is an HBSW charter member. As a result of Graham-Field's commitment to product safety, **all of Graham-Field's current long-term care beds have been strictly tested and conform to the new FDA Guidance**.

The guidelines set forth by the FDA Guidance layout specific dimensional limitations on potentially injury-threatening gaps and spaces that can occur between bed system components, such as rails, when not properly installed. Graham-Field and Basic American Medical Products have conformed to these guidelines from a manufacturing aspect. However, entrapment issues can often arise when a healthcare provider/facility has not correctly assembled the components on a bed. It is essential that the provider/facility fully understand their responsibility in complying to the guidelines set forth by the FDA in order to avoid injury. To that end, we have provided the links below as a resource for understanding and following these guidelines for the safety of the patient/resident.

Graham-Field encourages all hospital bed owners to read the FDA guidance.

- Please visit the FDA's Hospital Bed Safety page at . . . "*http://www.fda.gov/cdrh/beds/*"
- To find many resources, including a link to the new Guidance page go to "*http://www.fda.gov/cdrh/beds/guidance/1537.pdf*"
- Ordering instructions for a Testing Kit which you can use to determine whether your beds are in conformance with the guidance can be found at . . . "*http://www.fda.gov/cdrh/beds/entrapmentkit.html*"*("http://www.fda.gov/cdrh/beds/entrapmentkit.html" http://www.fda.gov/cdrh/beds/entrapmentkit.html)*;
- A discussion of Clinical Guidance protocol which you can use to assess an individual patient's needs when using a side rail can be found at . . . "*http://www.ute.kendal.org/learning/documents/clinicalguidance_SideRails.pdf*"

These resources will supply you with the knowledge to evaluate the safety of the hospital beds you currently own.

It is also essential to have the correct bed components/accessories that correspond with the needs of your patient/resident and the particular bed you have purchased. Matching the correct bed component that correlates with the regulatory guidelines can be a daunting task. Our Graham-Field Sales team and the friendly Customer Service Representatives at Basic American Medical Products can help you sift through the wide array of compliance and bed options. We will help you determine which bed/bed part is best for your patient's/resident's particular needs and help you with your compliance issues.

7000 MECHANICS

NOTE: All dimensions are in a range of +/- .25 inches

- Overall 76" Bed Length (w/brds & wallsaver) . . . . 81.75"
- Overall 80" Bed Length (w/brds & wallsaver) . . . . 85.75"
- Overall Bed Width (with boards) . . . . . 36.00"
- High Height* . . . . . 30.00"
- Low Height* . . . . . 8.00"
- Max. Head/Back Deck Angle . . . . . 70°
- Max. Knee/Foot Deck Angle . . . . . 30°
- SHIPPING WEIGHT (without rails or boards) . . . . . 204 lbs.
- MAXIMUM SAFE WORKING LOAD . . . including Mattress, Panels, Side Rails & Accessories taking into consideration: patient size, proper positioning, realignment transfer, and overall care . . . . . 500 lbs.

* ***Bed height calculated from floor surface to top of sleep deck.***

7000 ELECTRICAL

- Power/Frequency . . . . . 120 Volt 50/60 Hz
- Max. Amperage Draw at 120V . . . . . 4.50 Amps
- DC Motor Output Rating 12/33V
- Control Circuitry Output 5W
- Water Resistance Rating IPX4
- Classification . . . . . Class I, Type B
- Electrical Cord . . . . . #18 AWG 3 Conductor Type SJT
- Mode of Operations . . . . . .10% Max. Duty Cycle 2 minutes on/18 minutes off
- Internal Battery Backup Replacement . . . 9V Battery (Note: Ilcon External Battery Pack and Charger can be purchased separately as an accessory - see page 19.)

UNPACKING YOUR BED

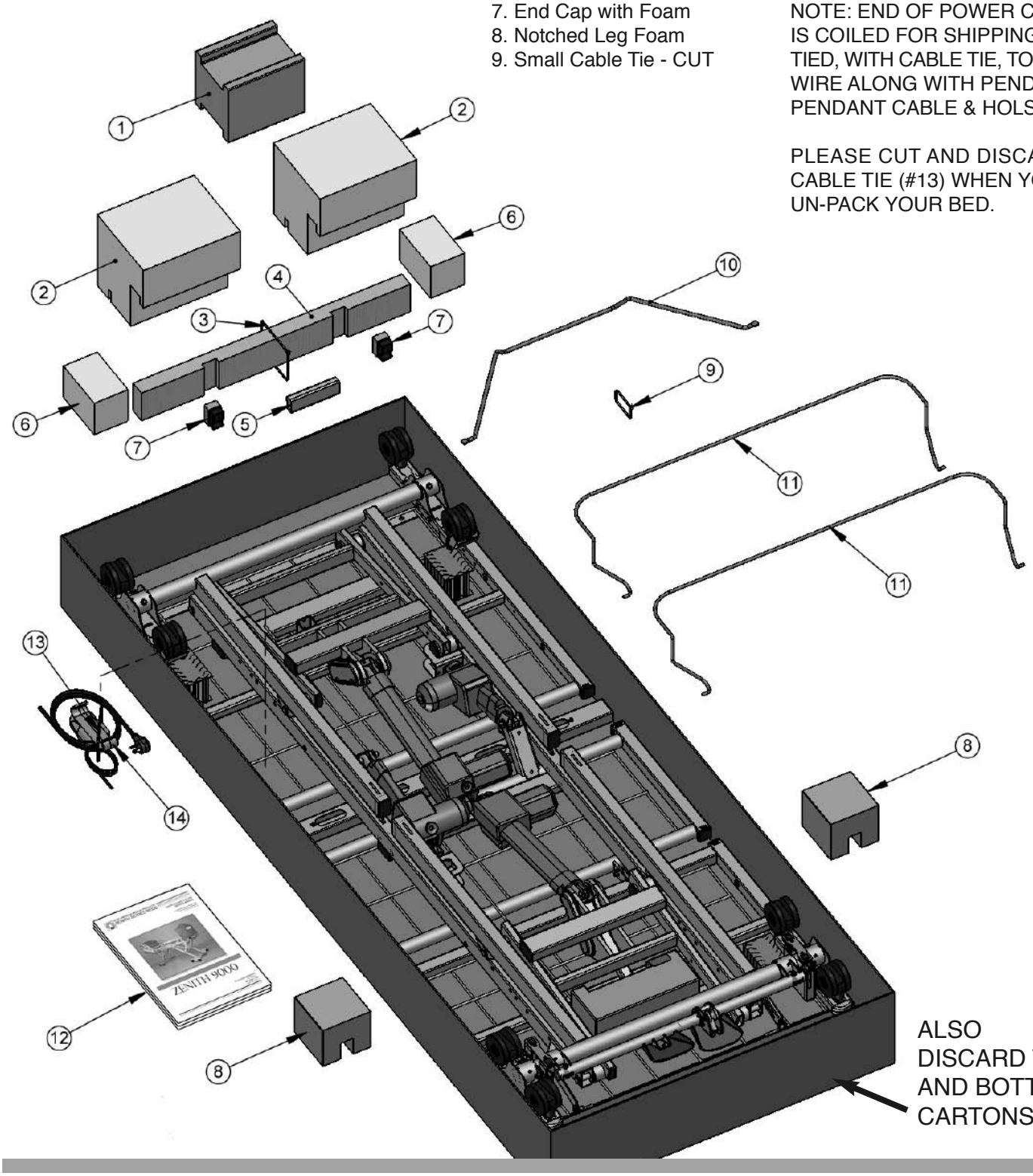
- Make sure all parts/components are included.
- Check all bed components for obvious damage.
- Inspect the Power Supply Cord for any cuts and/or damage.
- Check to see all actuator cords are routed and connected properly to the control box.

DISCARD
1. Middle Foam Block
2. Large Block
3. Large Cable Tie - CUT
4. Notched 2 x 4 Board
5. Foam Wrapping
6. Small Side Blocks
7. End Cap with Foam
8. Notched Leg Foam
9. Small Cable Tie - CUT

KEEP
10. Wireform Wallsaver
11. Two Mattress Retainers
12. Service Manual/Documents
14. Pendant Holster
    (attached to pendant)

NOTE: END OF POWER CABLE IS COILED FOR SHIPPING AND TIED, WITH CABLE TIE, TO GRID WIRE ALONG WITH PENDANT, PENDANT CABLE & HOLSTER.

PLEASE CUT AND DISCARD CABLE TIE (#13) WHEN YOU UN-PACK YOUR BED.



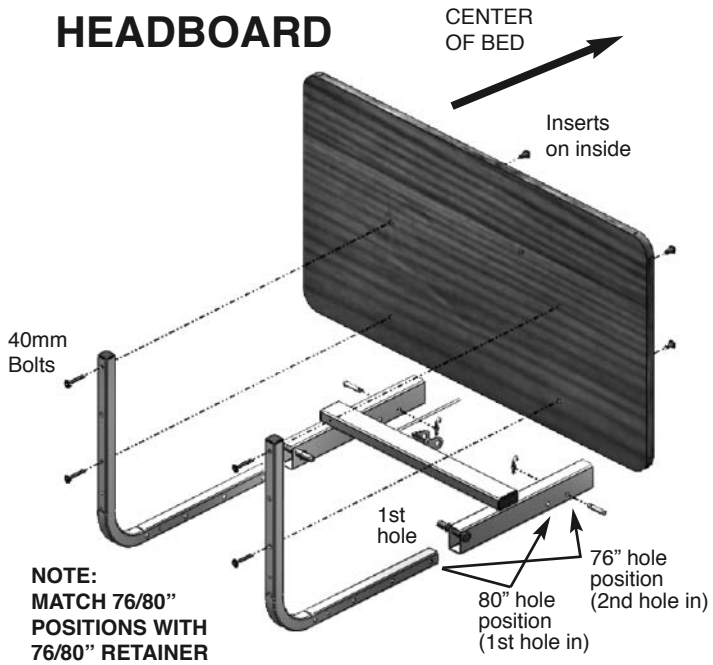
HEAD - AND FOOTBOARD ASSEMBLY

1. HEADBOARD INSTALLATION:

- The headboard comes with four pre-installed inserts - consider this the inside of the board.
- Position 2 mounting tubes on the outside of of the headboard with “L” facing inward.
- Align the top hole of the mounting tubes with the top holes in the headboard.
- Insert a 40mm hex drive bolt through each of the top holes and bottom holes and screw into each insert. Tighten with the Hex Allen wrench included in your kit.
- Slide the “L” portions of the Mounting tubes into the hollow ends of the main frame rails. at the head deck end.
- **FOR 80” BEDS:** Slide the mounting tubes in until the 1ST hole in the tubes lines up with the 1ST hole in the rails. See sample below.
- **FOR 76” BEDS:** Slide the mounting tubes in until the 1ST hole in the tubes lines up with the 2ND hole in the rails. See sample below.

HEAD & FOOTBOARD MUST MATCH RETAINER & WALLSAVER POSITIONS - SEE PAGES 11 & 12

HEADBOARD

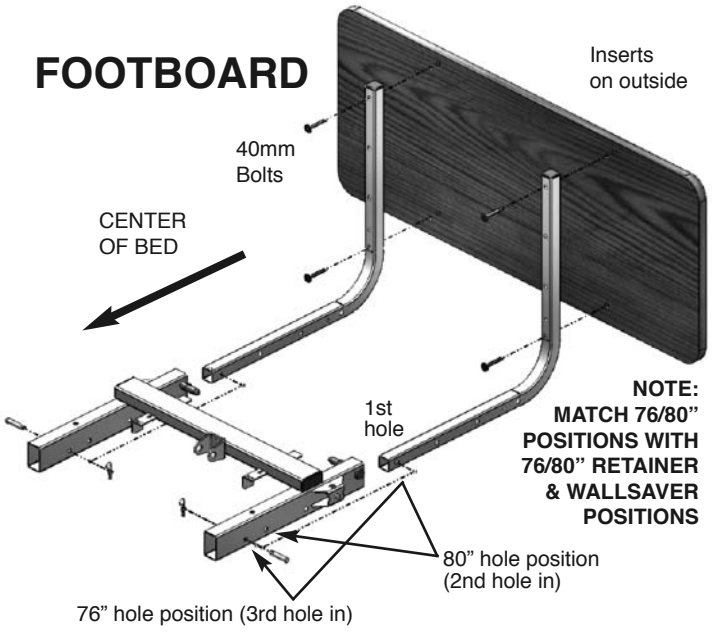


**NOTE:
MATCH 76/80” POSITIONS WITH 76/80” RETAINER & WALLSAVER POSITIONS**

2. FOOTBOARD INSTALLATION:

- The footboard comes with four pre-installed inserts - consider this the outside of the board
- Position 2 mounting tubes on the inside of of the footboard with “L” facing outward.
- Align the top hole of the mounting tubes with the top holes in the footboard.
- Insert a 40mm hex drive bolt through each of the top holes and bottom holes and screw into each insert. Tighten with the Hex Allen wrench included in your kit.
- Slide the “L” portions of the Mounting tubes into the hollow ends of the main frame rails. at the foot deck end.
- **FOR 80” BEDS:** Slide the mounting tubes in until the 1ST hole in the tubes lines up with the 2ND hole in the rails. See sample below.
- **FOR 76” BEDS:** Slide the mounting tubes in until the 1ST hole in the tubes lines up with the 3RD hole in the rails. See sample below.

FOOTBOARD



**NOTE:
MATCH 76/80” POSITIONS WITH 76/80” RETAINER & WALLSAVER POSITIONS**

NOTE: The first hole at the foot end is reserved for attaching the Optional 4” pan extension on an 80” bed.

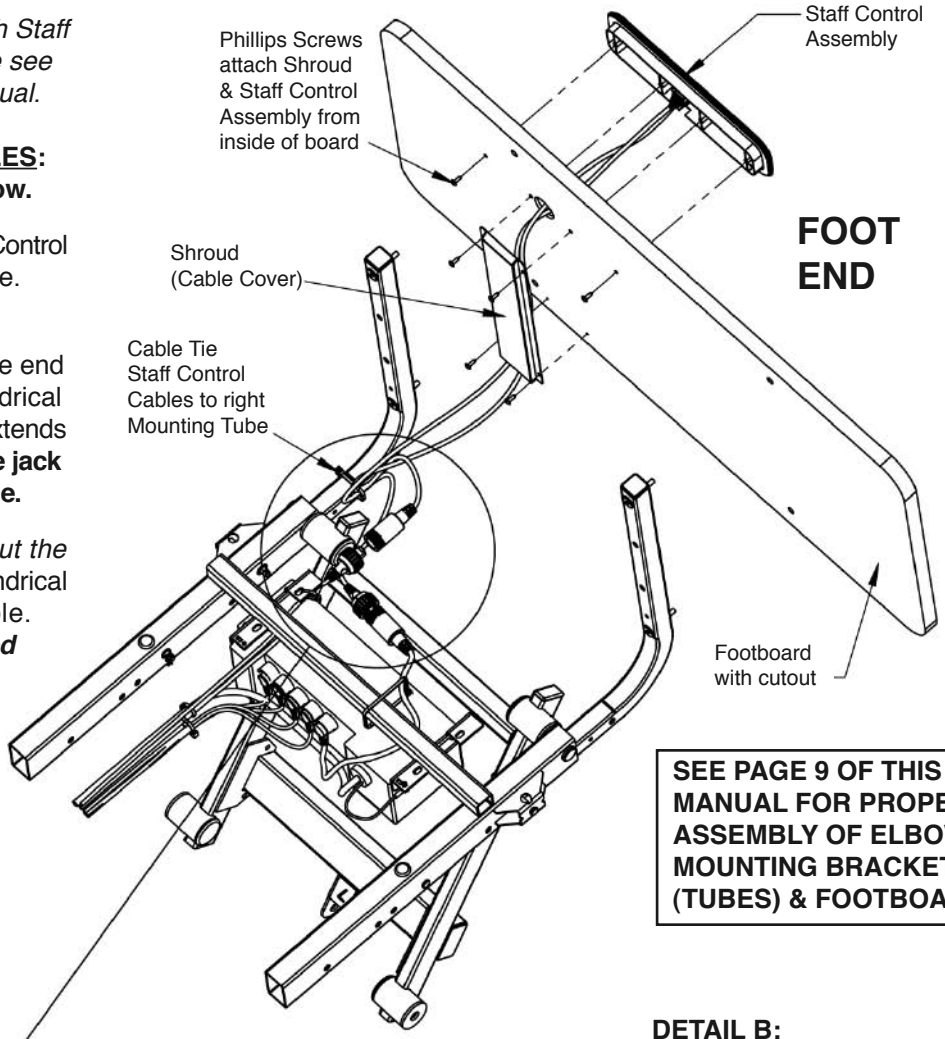
PLUGGING IN THE OPTIONAL FOOTBOARD STAFF CONTROL

STEP 1 - <u>ATTACHING THE FOOTBOARD</u>:
You can order an optional Staff Control for the Zenith 7000 which includes a Staff Control Assembly and Shroud Cover pre-installed to the Footboard at the manufacturing factory.

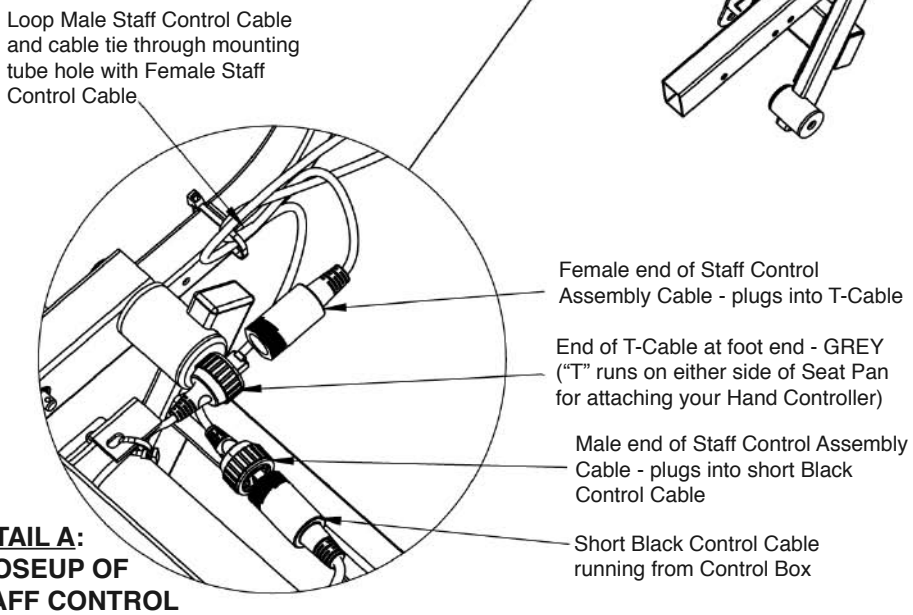
To attach the Footboard assembly (with Staff Control) to the main frame rails, please see the instructions on PAGE 9 of this manual.

STEP 2 - <u>CONNECTING YOUR CABLES</u>:
Please refer to DETAIL A shown below.

- At the foot end, unplug the Black Staff Control cable from the end of the Grey T-Cable. (Cables were attached for shipping)
- Insert the phone jack plug on the male end of the staff control cable into the cylindrical plug of the Black Control Cable that extends out the foot end. **Make sure the phone jack is positioned properly inside the cable.**
- Insert the T-Cable end (*extending out the foot end with phone jack*) into the cylindrical plug of the female staff control cable. ***Make sure the phone plug is seated properly inside the female plug.***
- Screw on the round lock cap onto the Staff Control female plug and short Black Control Cable plug. (SEE DETAIL B)


Staff Control Assembly
Phillips Screws attach Shroud & Staff Control Assembly from inside of board
FOOT END
Shroud (Cable Cover)
Cable Tie Staff Control Cables to right Mounting Tube
Footboard with cutout

SEE PAGE 9 OF THIS MANUAL FOR PROPER ASSEMBLY OF ELBOW MOUNTING BRACKET (TUBES) & FOOTBOARD


Loop Male Staff Control Cable and cable tie through mounting tube hole with Female Staff Control Cable
Female end of Staff Control Assembly Cable - plugs into T-Cable
End of T-Cable at foot end - GREY ("T" runs on either side of Seat Pan for attaching your Hand Controller)
Male end of Staff Control Assembly Cable - plugs into short Black Control Cable
Short Black Control Cable running from Control Box

<u>DETAIL A</u>:
CLOSEUP OF STAFF CONTROL CABLE CONNECTION

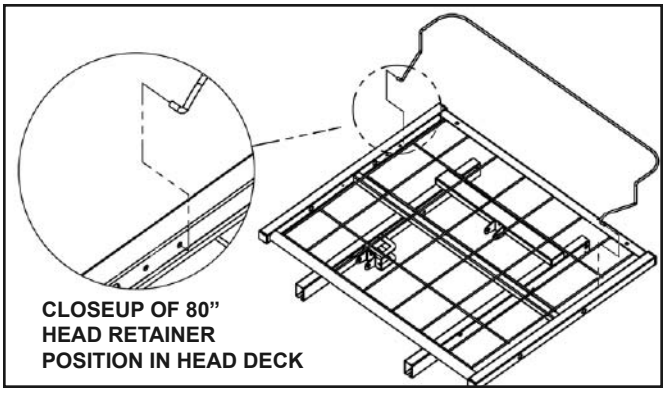
<u>DETAIL B</u>:
MAKE SURE LOCK END CAPS ARE SCREWED ON SECURELY

STANDARD MATTRESS RETAINER INSTALLATION & POSITIONS

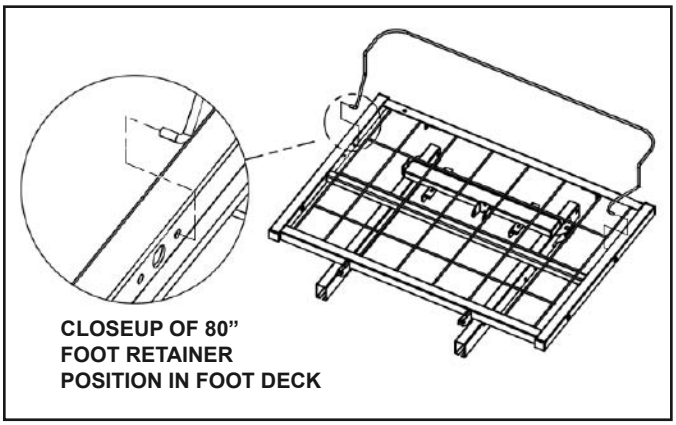
(IMPORTANT: MUST MATCH HEAD/FOOTBOARD AND WALLSAVER POSITIONING)

1. HEAD RETAINER INSTALLATION

- Position retainer with curved end toward headboard.
- Squeeze ends of the retainer toward the inside of the bed and lower between the head deck rails and first outside grid wires.
- Align the ends of retainer with small holes on the inside of deck rails and slowly release. The bottom angle of the retainers will rest on top of the deck.



CLOSEUP OF 80"
HEAD RETAINER
POSITION IN HEAD DECK



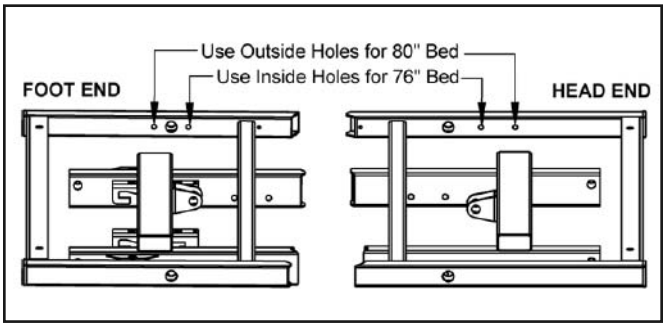
CLOSEUP OF 80"
FOOT RETAINER
POSITION IN FOOT DECK

2. FOOT-END RETAINER INSTALLATION

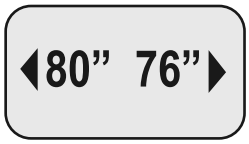
- Position retainer with curved end toward footboard.
- Squeeze ends of the retainer toward the inside of the bed and lower between the foot deck rails and first outside grid wires.
- Align the ends of retainer with small holes on the inside of deck rails and slowly release. The bottom angle of the retainers will rest on top of the deck.

3. RETAINER POSITIONS

- **FOR 80" BEDS:** Use outside small holes. See sample at right.
- **FOR 76" BEDS:** Use inside small holes. See sample at right.



USE LOCATION STICKER ON TOP, RIGHT SIDE OF HEAD & FOOT DECKS AS A GUIDE ALL POSITIONS OF BOARDS, WALLSAVERS, AND RETAINERS MUST MATCH FOR PROPER BED OPERATION.



⚠ Be sure to use a mattress that is properly sized to fit the sleep deck, which will remain centered on the deck relative to State and Federal Guidelines. Use of an improperly fitted mattress could result in injury or death.

⚠ Use a properly sized mattress in order to minimize the gap between the side of the mattress and assist devices. This gap must be small enough to prevent resident/patient from getting his/her head or neck caught in this location.

STANDARD WIREFORM WALLSAVER INSTALLATION

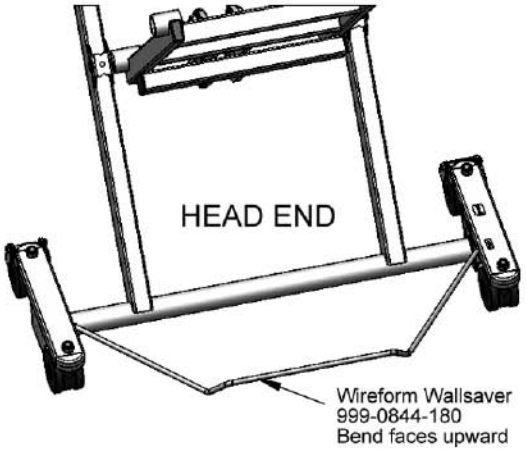
STEP 1: WALLSAVER ASSEMBLY

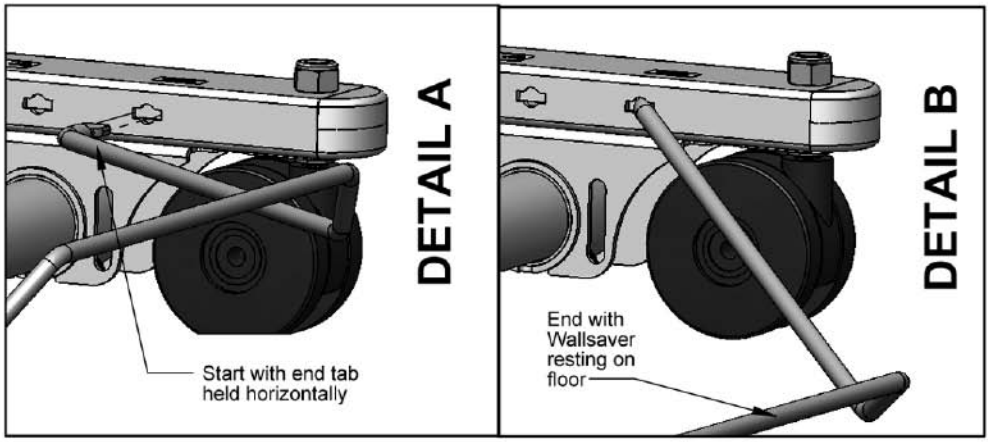
1. Position the Wireform Wallsaver (part # 999-0844-180) with bend end facing upward and tab ends facing inward as shown at right.

2. Determine the position desired (See Bottom of page).

3. Gently squeeze the tab ends of the wallsaver inward toward the center of the wallsaver and, holding the tabs parallel with the slots in the caster bases (See DETAIL A), slide the tabs into the slots while letting the wallsaver gently expand outward.

4. Turn the wallsaver downward until it rests on the floor (See Detail B)





STEP 2: WALLSAVER REMOVAL

1. To remove or move the Wireform Wallsaver to a new position, raise the wallsaver off the floor until the end tabs are horizontal.

2. Squeeze the ends toward the center of the wallsaver until the end tabs slide out of the caster base slots.

STEP 3: WALLSAVER POSITIONS

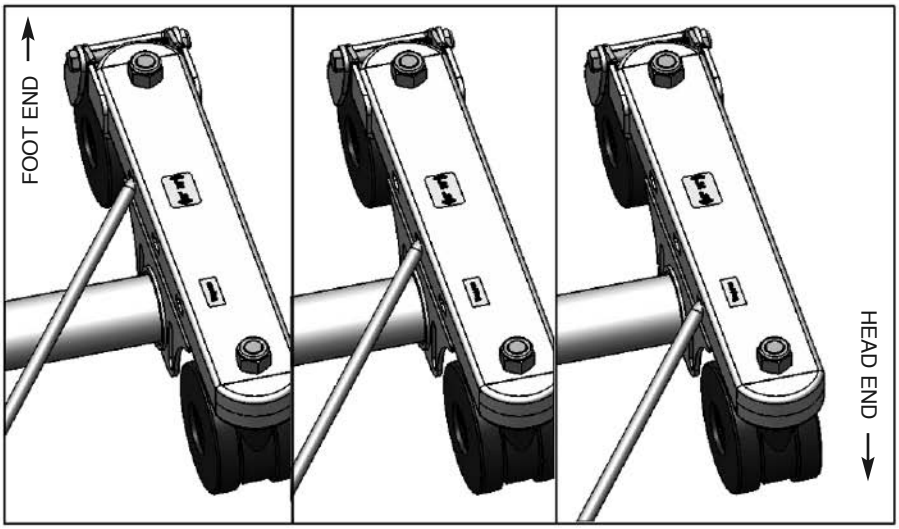
1. The Zenith 7000 Wallsaver features three positions for easy reconfiguration - 76", 80", and Trapeze

2. For 76" beds, position the wallsaver ends in the caster base slots closest to the FOOT end of the bed.

3. For 80" beds, position the wallsaver ends in the MIDDLE slots on the caster bases.

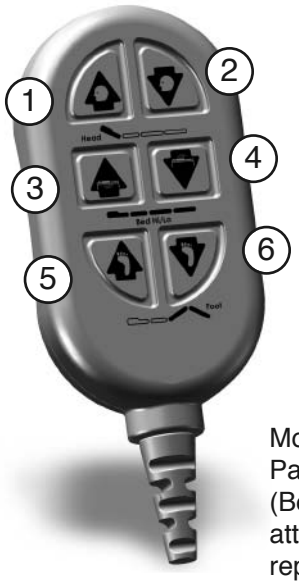
4. If you have an optional Trapeze unit on a 76" bed, position the wallsaver ends in the MIDDLE slots on the caster bases. For 80" beds position wallsaver in slots closest to the HEAD.

76" Bed Wallsaver Position w/o Trapeze | **76" Bed Wallsaver Position w/ Trapeze or 80" Bed w/oTrapeze** | **80" Bed Wallsaver Position w/ Trapeze**



BED OPERATIONS - PATIENT PENDANT/HAND CONTROLLER

The hand controller comes standard on the Zenith 7000 series and can be plugged into either side of the bed. The plug features a lock-on cap. A pendant holster for attaching to optional assist devices is also provided.



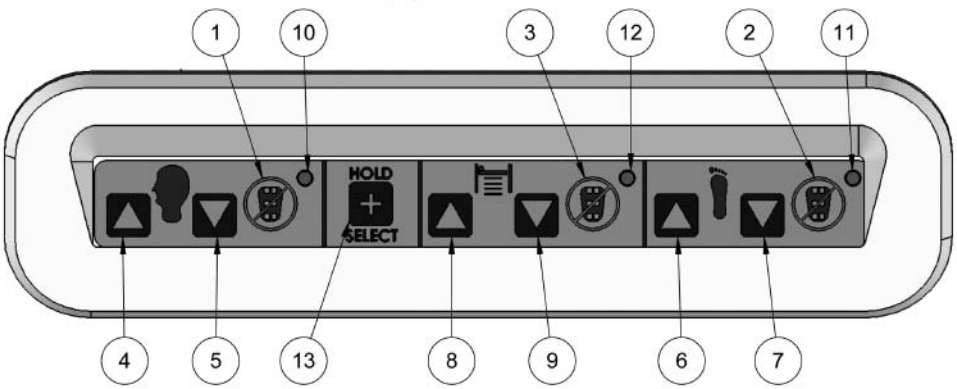
1. Raise Head/Back Section
2. Lower Head/Back Section
3. Raise entire bed horizontally (Hi/Lo)
4. Lower entire bed horizontally (Hi/Lo)
5. Raise Foot & Knee Sections
6. Lower Foot & Knee Sections

Phone Jack plug end

Model #HB00
Part #999-0808-305
(Bed comes shipped with Alligator Clip attached to pendant cable. To order a replacement pendant, see page 28.)

Pendant Holster
999-0791-000
(included)

BED OPERATIONS FOR NURSE/STAFF CONTROL PANEL (OPTIONAL FEATURE ON 7000 SERIES)

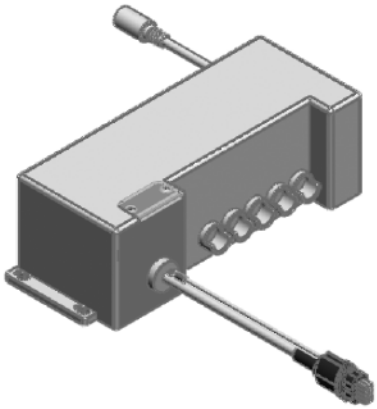


When you purchase your boards directly from our company, you have the option of ordering a Nurse/ Staff Control Assembly which comes pre-installed into the footboard at the manufacturing factory.

STAFF CONTROL REFERENCE	
Head LED Light	Item 10
Foot LED Light	Item 11
Hi/Lo LED Light	Item 12
Hold & Select Button	Item 13

STAFF CONTROL OPERATION	
Raise Head/Back Deck	Push 13 & 4
Lower Head/Back Deck	Push 13 & 5
Raise Knee/Foot Decks	Push 13 & 6
Lower Knee/Foot Decks	Push 13 & 7
Raise Entire Bed (Hi/Lo)	Push 13 & 8
Lower Entire Bed (Hi/Lo)	Push 13 & 9
TO LOCK OUT HAND CONTROL	
Lock Out Head Function	Push 13 & 1
Lock Out Foot Function	Push 13 & 2
Lock Out Hi/Lo Function	Push 13 & 3
TO UNLOCK HAND CONTROL FUNCTION	
Unlock Head Function	Push 13 & 1
Unlock Head Function	Push 13 & 2
Unlock Head Function	Push 13 & 3

7000 SERIES ELECTRICAL COMPONENTS

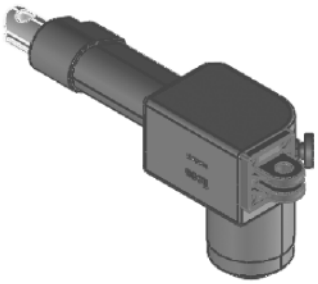


Synchronized Control/
Junction Box with
hard-wired power cable
Part # 999-0844-300
Quantity = 1

Pendant/Hand Controller
Part #999-0808-305
Quantity = 1

Includes Pendant Holster
999-0791-000

Control Cord
999-0843-200
Quantity = 1

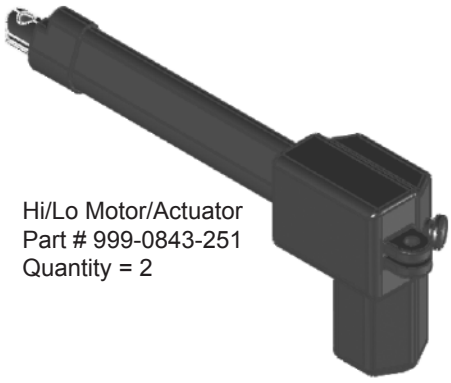


Head Motor/Actuator
Part # 999-0844-052
Quantity = 1

Option A
3 PRONG Power Cable
999-0844-208
Quantity = 1

Foot Motor/Actuator
Part # 999-0844-053
Quantity = 1

Option B
2 PRONG Power Cable
999-0844-209
Quantity = 1



Hi/Lo Motor/Actuator
Part # 999-0843-251
Quantity = 2

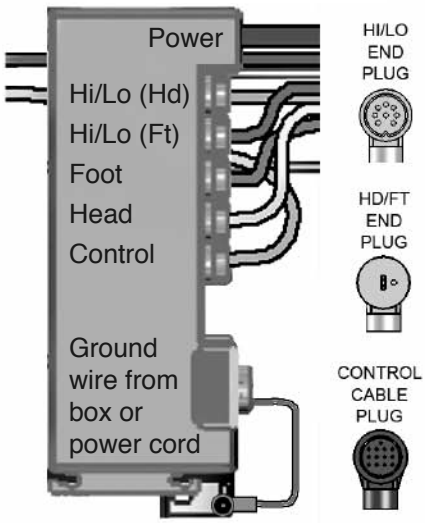
T-Cable
999-0808-201
Quantity 1

DO NOT use unauthorized parts, accessories, or adapters other than those specified/authorized by Graham-Field Health Products. DO NOT open assemblies such as the Actuators, Hand Control, or Control Box. If unauthorized personnel perform work on these components, the manufacturer's warranty becomes void. NEVER operate the bed if a Power Cord or Plug is damaged or not working properly. Contact qualified Service Personnel for examination and repair. Always unplug the Power Cord when performing any maintenance on the bed.

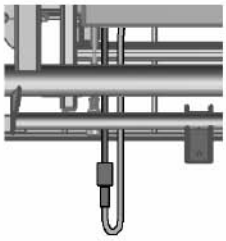
7000 SERIES ELECTRICAL CABLING DIAGRAM

DIAGRAM LEGEND

❶ POWER CABLE
❷ T-CABLE for PENDANT
❸ HI/LO CABLE (HEAD)
❹ HI/LO CABLE (FOOT)
❺ FOOT CABLE
❻ HEAD CABLE
❼ CONTROL CABLE

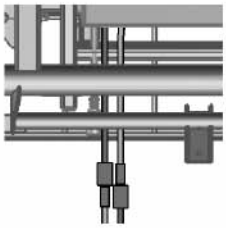


T-CABLE PLUGGED INTO CONTROL CABLE WHEN SHIPPED

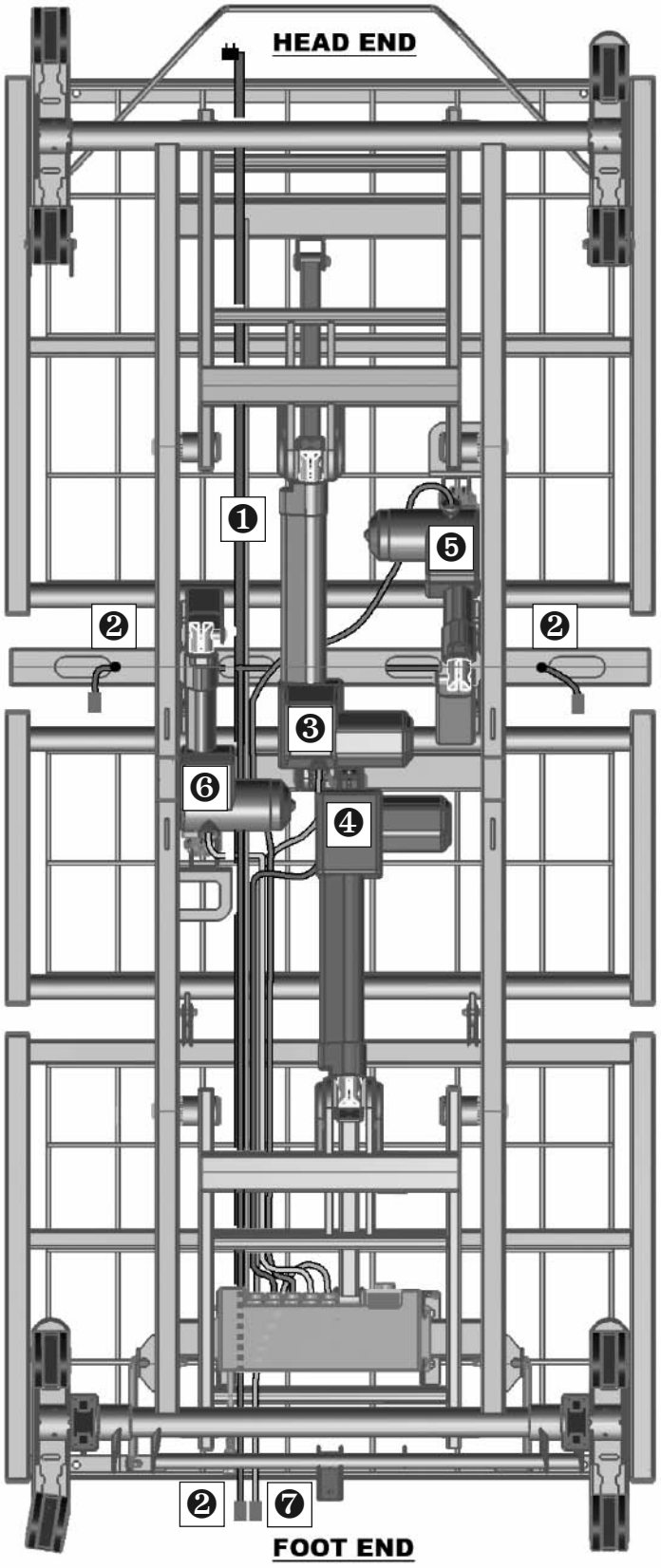


Control Cable plugged directly into Pendant T-Cable for shipping

UNPLUG FOOT END CABLES TO PLUG-IN YOUR STAFF CONTROL



Control Cable plugs directly into staff cable
Pendant T-Cable plugs directly into staff cable
(PLEASE SEE PAGE 10)



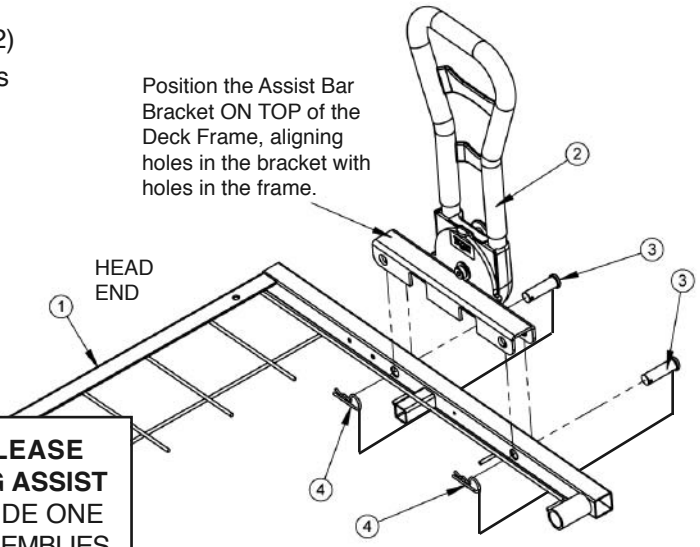
OPTIONAL PIVOT ASSIST BAR INSTALLATION & OPERATION

INSTALLATION:

1. At the head end of the bed, position the Pivoting Assist Bar (#2) bracket over the Head Deck (#1) frame and align the two holes in the Assist Bar bracket with the two holes in the frame rail on either side of the head deck.

2. From the outside, insert the Clevis Pins (#3) through the holes in the pivot bracket and deck frame.

3. From the inside, insert a Hair Pin Clip (#4) through each of the small holes in the clevis pins.

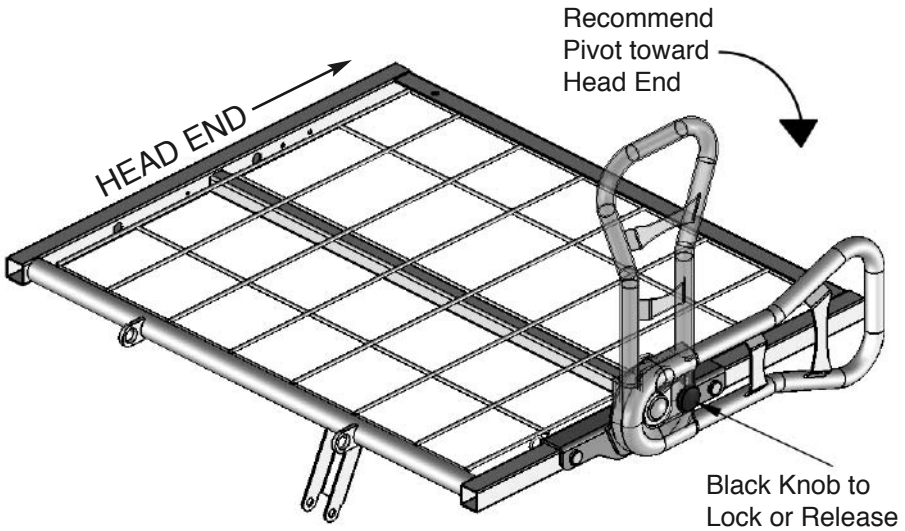


SAMPLE SHOWS PIVOTING ASSIST BAR POSITIONED ON THE LEFT SIDE OF THE BED.

FOR THE NYLON COATED PIVOTING ASSIST BAR, PLEASE ORDER KIT #ZA84900. FOR METAL, PAINTED PIVOTING ASSIST BAR, PLEASE ORDER KIT #ZA85400. BOTH KITS INCLUDE ONE PIVOTING ASSIST BAR ASSEMBLY AND TWO LANYARD ASSEMBLIES WITH CLEVIS PINS AND HAIR PIN CLIPS.

THE PIVOTING ASSIST BAR CAN BE POSITIONED ON EITHER THE RIGHT SIDE OR LEFT SIDE OF THE HEAD DECK.
IT IS NOT OFFERED FOR THE FOOT END OF THE BED

PIVOTING ASSIST BAR OPERATION:



1. To release the pivoting assist bar from its vertical lock position, hold onto the top of the bar with one hand and slightly pull out the black knob on the outside of the pivot assembly with the other hand to release the locking mechanism. For ease of patient access, it is recommended that you pivot the rail toward the headboard until it stops and rests in place.

2. To set the assist bar back to its upright locked position, grab the top of the assist bar with one hand and pivot the assembly upward until the black knob mechanism snaps into place, locking the assist bar vertically.

FOR YOUR SAFETY, MAKE SURE YOUR FINGERS ARE CLEAR OF THE SIDES OR UNDERNEATH THE PIVOTING ASSEMBLY WHEN PIVOTING THE ASSIST BAR UP OR DOWN.

PLEASE MAKE SURE THE PIVOT ASSIST BAR IS ALWAYS IN THE FULL, VERTICAL, LOCKED POSITION WHEN RESIDENT/PATIENT IS LEFT UNATTENDED.

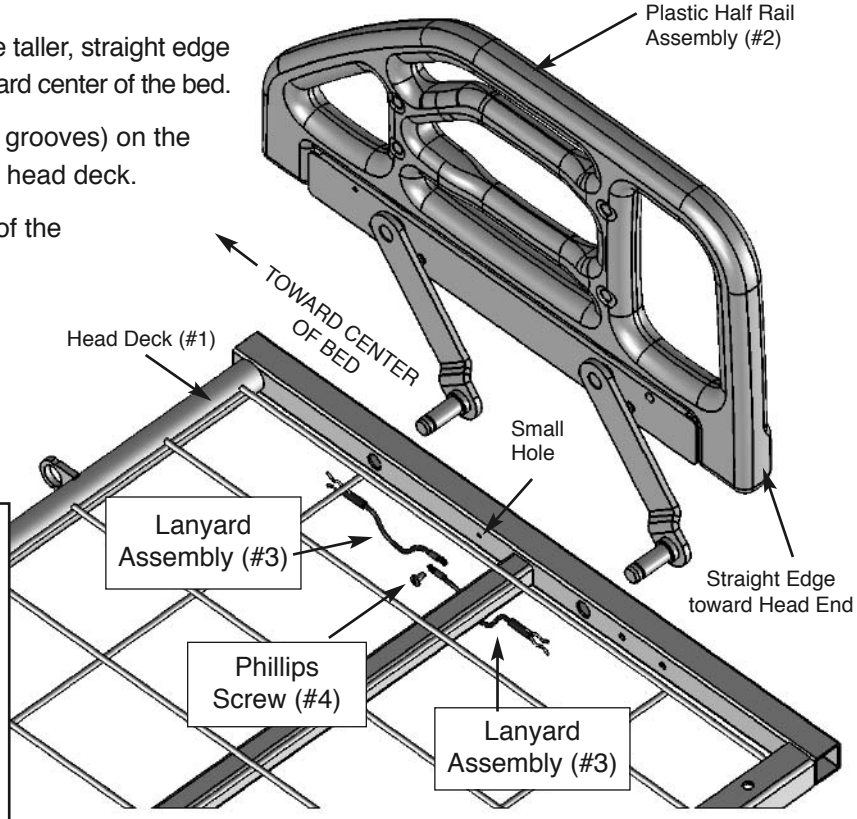
OPTIONAL PLASTIC HALF RAIL INSTALLATION & OPERATION

(Sample shows rail positioned on right side of bed)

1. Position the Plastic Half Rail (#2) as shown, with the taller, straight edge toward the head end of the bed and arms angled toward center of the bed.
2. From the outside, insert the two welded pins (with grooves) on the rail arms into the two large holes in the side of the head deck.
3. From the inside, insert the metal hair pin clip end of the Lanyard Assembly (#3) onto the exposed grooves at the ends of the clevis pins.
4. Position the other terminal ends of the lanyard assemblies (#3) over the small hole on the inside of the deck frame. Secure with a small threaded Phillips Screw (#4).

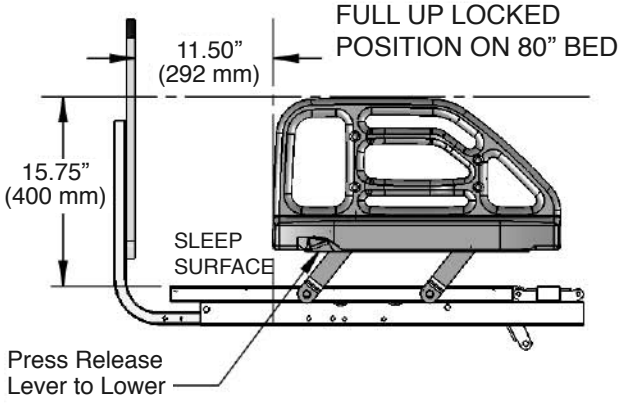
PLEASE ORDER PLASTIC RAIL KIT #ZA84200, WHICH INCLUDES A RIGHT-HAND AND LEFT-HAND HALF RAIL, FOUR LANYARD ASSEMBLIES, AND TWO PHILLIPS SCREWS. ORDER BAG #999-0842-905 FOR JUST THE REPLACEMENT HARDWARE.

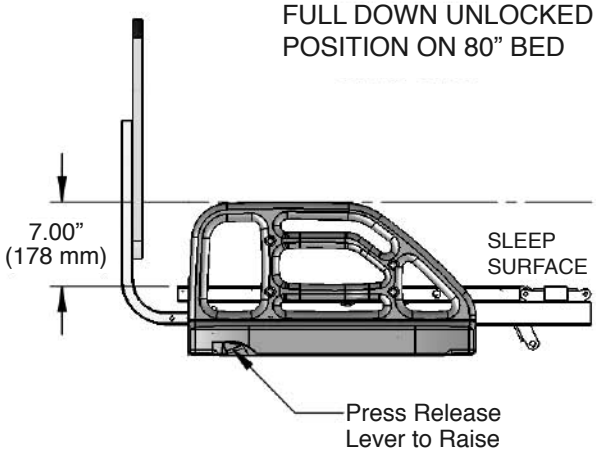
THE PLASTIC RAIL CAN BE POSITIONED ON EITHER THE HEAD OR FOOT DECKS FOR 80" BEDS. **THEY SHOULD ONLY BE PUT ON THE HEAD END FOR 76" BEDS.**



HEAD END

PLASTIC HALF RAIL OPERATION



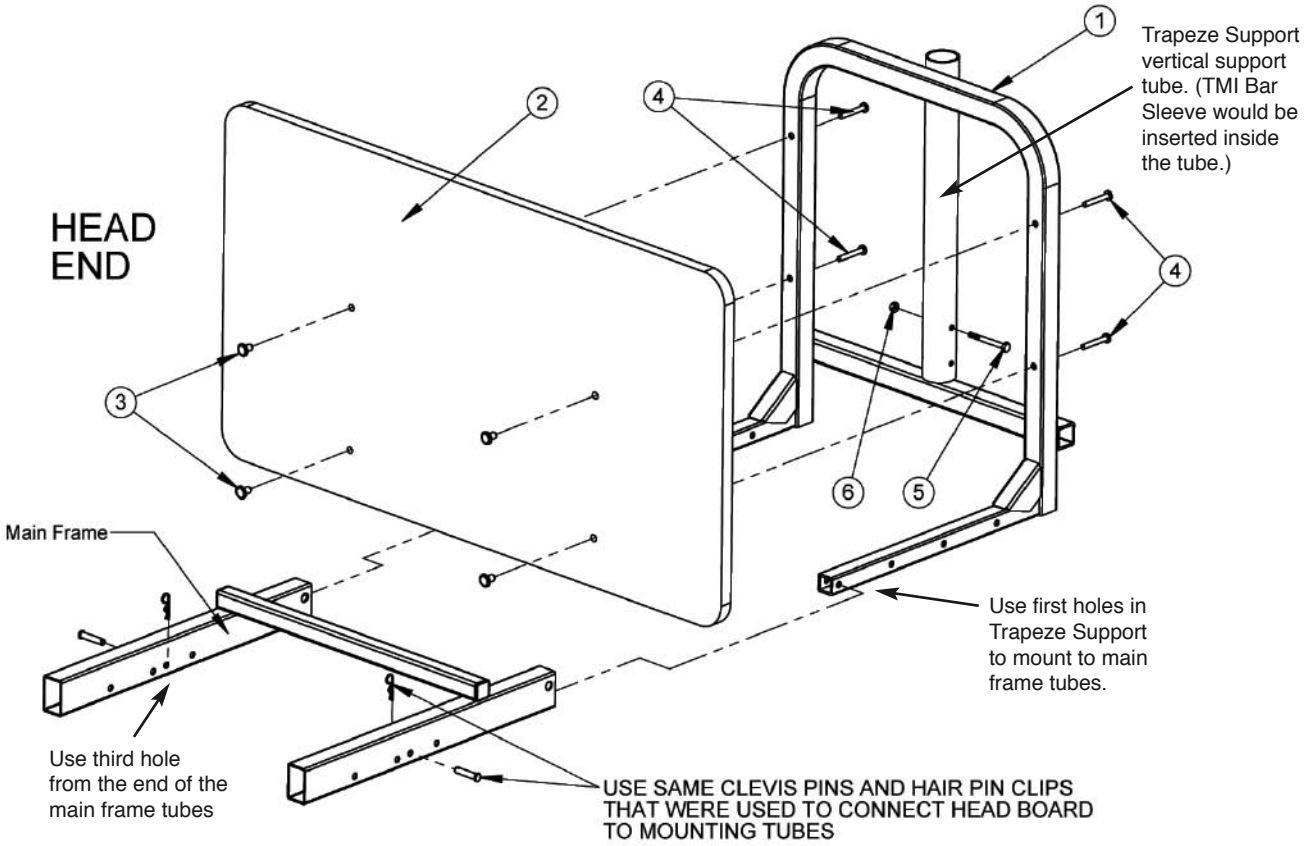


Make sure the rail is always in its "Full Up Locked" position when leaving the resident/ patient unattended to avoid possible injury.

To avoid pinching of fingers, hold the half rail from the top with one hand and carefully depress the release lever with the other. Make sure there are no objects in the way that may hinder the full movement of the rail.

OPTIONAL TRAPEZE SUPPORT INSTALLATION

(The Trapeze Support it attached to the head section of the bed)
Please order Kit Number ZA79000


1
Trapeze Support vertical support tube. (TMI Bar Sleeve would be inserted inside the tube.)
2
4
HEAD END
4
3
6
5
Main Frame
Use first holes in Trapeze Support to mount to main frame tubes.
Use third hole from the end of the main frame tubes
USE SAME CLEVIS PINS AND HAIR PIN CLIPS THAT WERE USED TO CONNECT HEAD BOARD TO MOUNTING TUBES

1. Begin by removing the headboard panel assembly (#2), if previously assembled to the bed, by pulling out the two Clevis Pins and two Hair Pin Clips that attach the main frame tubes to the headboard's mounting tubes. Set all pins aside for later use.

2. Detach the headboard panel from the mounting tubes by unscrewing the four 40mm Allen Head Bolts that hold the board to the tubes (These will be replaced with the longer Phillips Head Pan Screws from your trapeze adaptor hardware bag.) Do not remove the four 1/4-20 inserts (#3) from the board. They will be used again to mount the board to the trapeze support.

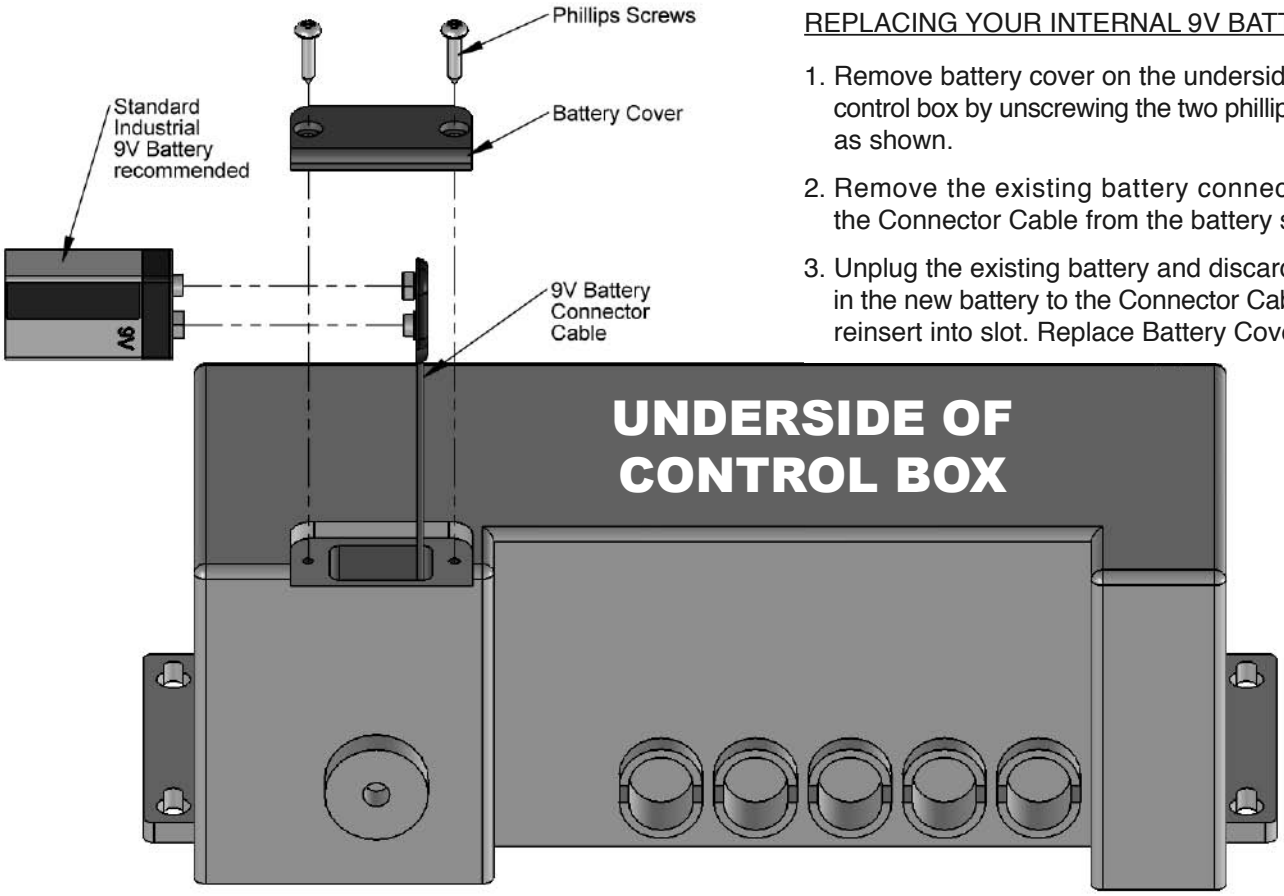
3. Assemble the Trapeze Support (#1) to the main frame tubes using the two Clevis Pins and Hair Pin clips you removed in Step 1. The first holes in the Trapeze tubes must line up with the third hole from the end in the main frame tubes as shown.

4. Insert the 1/4-20 x 2.50" Carriage Bolt (#5) into the vertical support as shown and fasten with a 1/4-20 Hex head Lock Nut (#6). Both parts should be in your hardware bag.

5. Assemble the headboard to the inside of the Trapeze Support so that the side of the headboard with the inserts is facing away from the Trapeze Support. From the outside, insert the four 1/4-20 x 1.75" long Machine Screws (#4) from your hardware bag through the holes in the Trapeze Support, screwing them into the inserts in the headboard.

6. **OPTIONAL—FOR TMI TRAPEZE BAR WITH SLEEVE:** Insert the Sleeve into the vertical support with the slot on the bottom. Rotate the sleeve unitl it falls into place over the carriage bolt you inserted in Step 4. This will lock it into the proper position. **(Note: Top of the Sleeve should sit flush with the top of the vertical support on the Trapeze Support Adaptor.)**

REPLACEMENT OF 9V BATTERY & OPTIONAL BATTERY BACKUP CHARGER AND BATTERY PACK



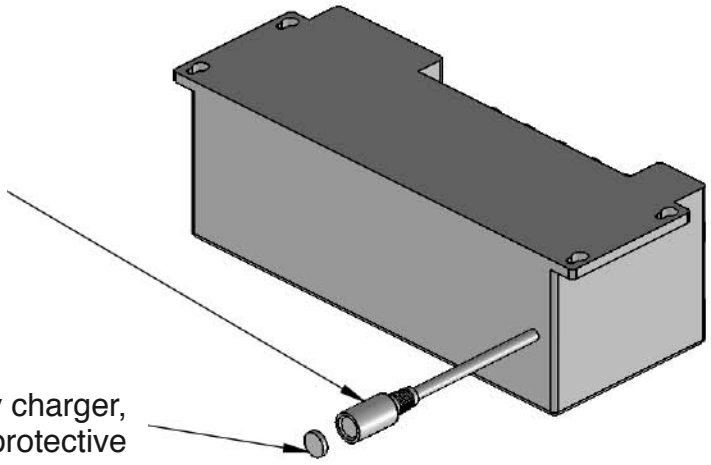
REPLACING YOUR INTERNAL 9V BATTERY:

1. Remove battery cover on the underside of your control box by unscrewing the two phillips screws as shown.
2. Remove the existing battery connected to the Connector Cable from the battery slot.
3. Unplug the existing battery and discard. Plug in the new battery to the Connector Cable and reinsert into slot. Replace Battery Cover.

NOTE: THE 9V BATTERY INCLUDED WITH YOUR CONTROL BOX IS ONLY GOOD FOR ONE CHARGE - LOWERING THE BED ONCE IN THE EVENT OF A POWER OUTAGE. YOU WILL NEED TO REPLACE AFTER EACH SINGLE USAGE. A STRONGER BATTERY PACK IS AVAILABLE AS A SEPARATE PURCHASE. PLEASE ORDER WITH BACKUP CHARGER.

Battery Charger Adapter Cable

Plugs directly into “optional” ILCOCHARGE Backup Battery & Battery Pack purchased separately.



To plug in battery charger, first remove the protective cap with small screwdriver.

TROUBLESHOOTING - NOTHING WORKS - NO POWER

1. NOTHING WORKS - NO POWER

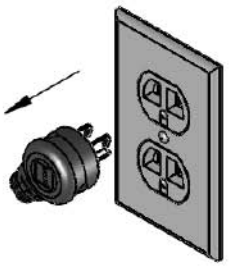
a. Check to make sure you have power coming from your outlet. Unplug the power cable from the outlet and test the outlet by plugging in a lamp or similar portable device. **OUTLET WORKS** = move to Step b.

b. Replug the power cord into the outlet - **NOTHING WORKS** - UNPLUG THE POWER CORD and check the power cord from the head end to the foot end, making sure it is not pinched, frayed, or damaged in any way.

- **POWER CORD IS PINCHED** = With cord unplugged, try to move the bed part slightly to release the pinched cord. If you can release the cord, replug the power cord into the wall outlet and test the bed.
- **BED WORKS** = make sure the cord is not frayed or exposed. If it is OK, you should not have to replace.
- **POWER CORD IS DAMAGED** = Replace the Power Cord (If hard-wired to Control Box, replace the box - See page 26 for order information).

c. **POWER SUPPLY AND POWER CABLE OK - BUT STILL NOTHING WORKS** - UNPLUG THE POWER CORD and check the Black Control Cable that runs from the Control Box to the Male Staff Control Cable. Make sure it is not pinched, frayed or damaged in any way.

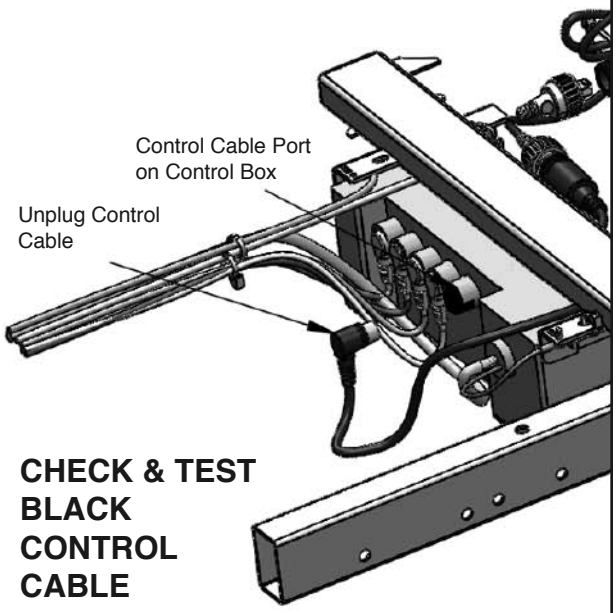
- **CONTROL CABLE CONNECTION IS PINCHED** = With the power cord unplugged from the outlet, try to move the bed part slightly to release the pinched cord. If you can release the cord, replug the power cord into the wall outlet and test the bed.
- **BED WORKS** = make sure the cord is not frayed or exposed. If it is OK, you should not have to replace.
- **BED STILL DOES NOT WORK - POSSIBLE BAD CONTROL CABLE** = If you have a spare black control cable, UNPLUG THE POWER CABLE from the wall outlet. Unplug the old control cable from the Control Box and plug the new control cable in the port. Unplug the pendant/hand controller from the T-cable on either side of the seat pan and plug into the other end of the Control Cable. Plug in the power cord and test the bed using the controller.
  - **BED WORKS** = Remove the bad control cable and use new cable (See next page for installation).
  - **NOTHING WORKS** - Replace Control Box.



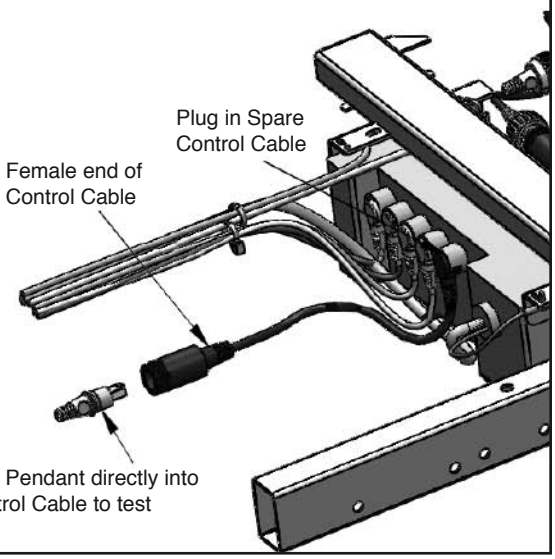
Test Outlet for Power

Unplug Power cord and check entire cord to make sure it is not pinched, frayed or damaged.

IF POWER CORD IS DAMAGED REPLACE CORD & CONTROL BOX.



CHECK & TEST BLACK CONTROL CABLE



TROUBLESHOOTING - REMOVING & REPLACING CONTROL CABLE

IF CONTROL CABLE IS DAMAGED, UNPLUG, LOWER CONTROL BOX, AND REPLACE

1. UNPLUG THE POWER CORD FROM THE WALL OUTLET.
2. Unplug the OLD Black Control Cable from the Control Box and from the male staff control cable.
3. Plug in the NEW Black Control Cable into the Control Box.
4. Cut the cable tie that attaches the Control Box to the mounting bracket (near the ground wire screw). Remove the cable tie and discard.
5. Slide the Control Box in the bracket slot toward the footboard until it hits the back of the slot.

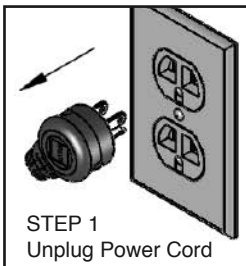
6a. Tilt the front of the Control Box downward, holding the box from the bottom (motor cables are still attached).

6b. Fish the old Control Cable toward the footboard, between the box and the main frame cross brace. Discard the old Control Cable.

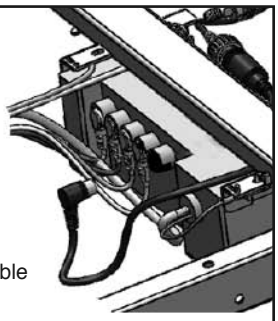
6c. Fish the other end of the NEW Control Cable around the control arm bracket and toward the foot board. The cable will lie between the Control Box and main frame cross brace as before. (This is done as a safety feature.)

6d. Tilt the front of the Control Box up to a horizontal position and slide it toward the footboard, then push it forward (*toward the center of the bed*) to lock in place.

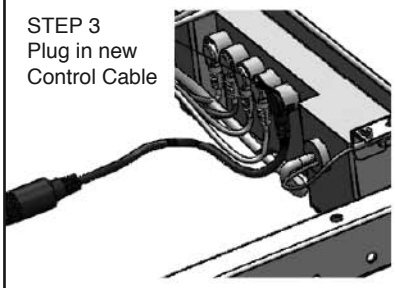
7. Re-tie the Control Box to the mounting bracket with a Cable Tie (near ground wire screw). Cut off any excess.
8. Gather the Black Control Cable on the other side of the cross brace (toward the footboard) and loosely cable tie to the brace (you will tighten later).
9. Plug the male staff control cable's phone jack into the cylindrical female end of the Control Cable, and screw on the retaining cap to secure.
10. Plug in the pendant into either the right or left side of the T-Cable under the seat pan (middle of bed) and re-plug the power cord into the wall outlet.
11. Test both the hand pendant and staff control to make sure everything works properly.
12. Run a cable tie through the large hole at the end of the right hand mounting tube. Loop the longest of the staff control cables and tie both together to the tube. Pull tight to secure. Now gently pull the Control Cable's tie tight.



STEP 1
Unplug Power Cord

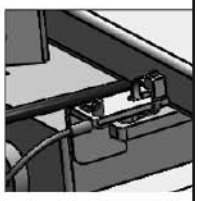


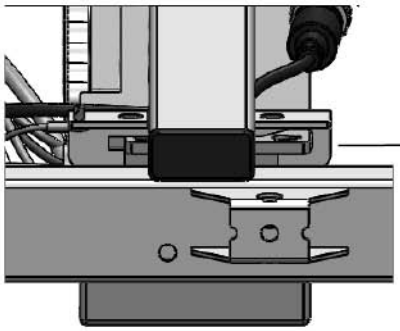
STEP 2
Unplug old
Control Cable



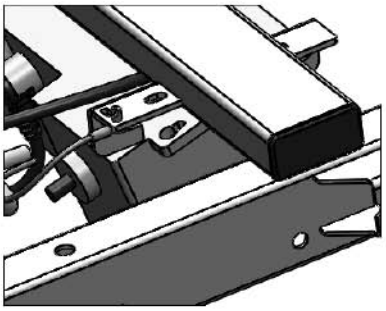
STEP 3
Plug in new
Control Cable

4
Cut Cable Tie near
Ground Screw &
remove tie



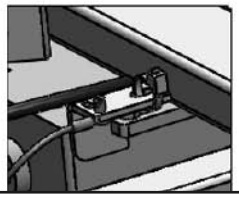


STEP 5
Slide Control Box
toward footboard
in bracket slot

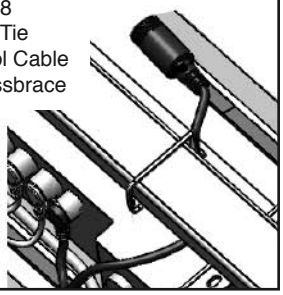


STEP 6
a. Tilt front of Control Box downward until you can remove old cable
b. Fish new Control Cable end between box and crossbrace
c. Raise Control Box
d. Slide box forward to lock in place

STEP 7
Cable Tie Control
Box to mounting
bracket



STEP 8
Cable Tie
Control Cable
to crossbrace



TROUBLESHOOTING STAFF CONTROL

1. STAFF CONTROL LIGHTS ARE BLINKING NOTHING ON STAFF CONTROL WORKS BUT PENDANT WORKS

a. This could mean that your staff control is not getting enough power from the Control Box.

b. Unplug the power cord from the wall outlet. Unplug the staff control cables from Control Cable and T-Cable.

c. If you have a spare staff control assembly, plug the cables into the T-Cable and Control Cable and test.
WORKS & LIGHTS DON'T BLINK =
Replace the Staff Control Assembly in your footboard (See Page 23 for dis-assembly. Please see Page 28 for order number.)
DOESN'T WORK & LIGHTS STILL BLINK =
Replace the Control Box. Please see Page 27 for order number.

2. STAFF CONTROL - PENDANT WORKS BUT NOTHING ON STAFF CONTROL WORKS

a. Check the Staff Control connections at the foot end - (Staff Control cables plugged securely into T-Cable and Control Cable). Also check if other end of black Control Cable is plugged securely into the Control Box. Test the staff control . . .
STILL DOESN'T WORK = move to Step b.

b. Unplug the power cord from your wall outlet. Remove the Cable Cover (Shroud) on the inside of the footboard and locate the 2 terminal ends that plug directly into the back of the Staff Control Panel in the footboard. Make sure they are properly seated into the panel. Plug in the power cord and test the staff control . . .
STILL DOESN'T WORK = Replace the Staff Control assembly (See Page 23 for dis-assembly. See Page 28 for order information).

TROUBLESHOOTING PENDANT (& T-CABLE)

1. STAFF CONTROL WORKS BUT PENDANT/ HAND CONTROLLER FUNCTION DOESN'T

a. Check to see if the functions are locked out on the Staff Control panel - if orange lights show on panel then that function is locked out. Press the Hold/Select Button and the blue pendant symbol at the same time until the orange light goes out. Test the function. If the **PENDANT STILL DOESN'T WORK** = go to step b.

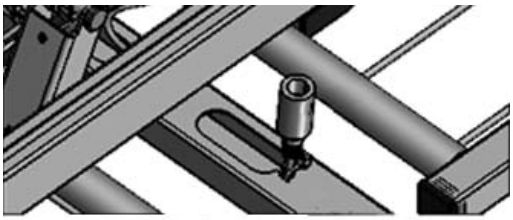
b. Check the connections at the seat pan (Hand Controller to T-Cable) and Staff Control Cables at the foot end. If the Hand Controller still **DOESN'T WORK** = move to Step c.

c. UNPLUG THE POWER CORD FROM THE WALL OUTLET.

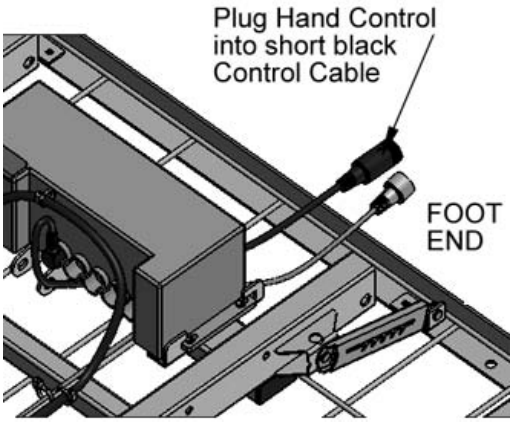
d. Unplug the Hand Controller plug from the end of the T-Cable on either side of the beds seat pan. Unplug the cables at the foot end of the bed that connect to the staff control cables.

e. Plug the Hand Controller directly into the cylindrical plug on the short Black Control Cable, making sure the pendant's phone jack plug is properly seated in the control cable plug. Plug in the power cord and test the Pendant.

- **ALL BUTTONS WORK** = Replace T-Cable
  See page 28 for order information.
- **NOTHING WORKS** = Replace the Hand Controller.
  See page 28 for order information.



Unplug Hand Control from T-Cable Plug

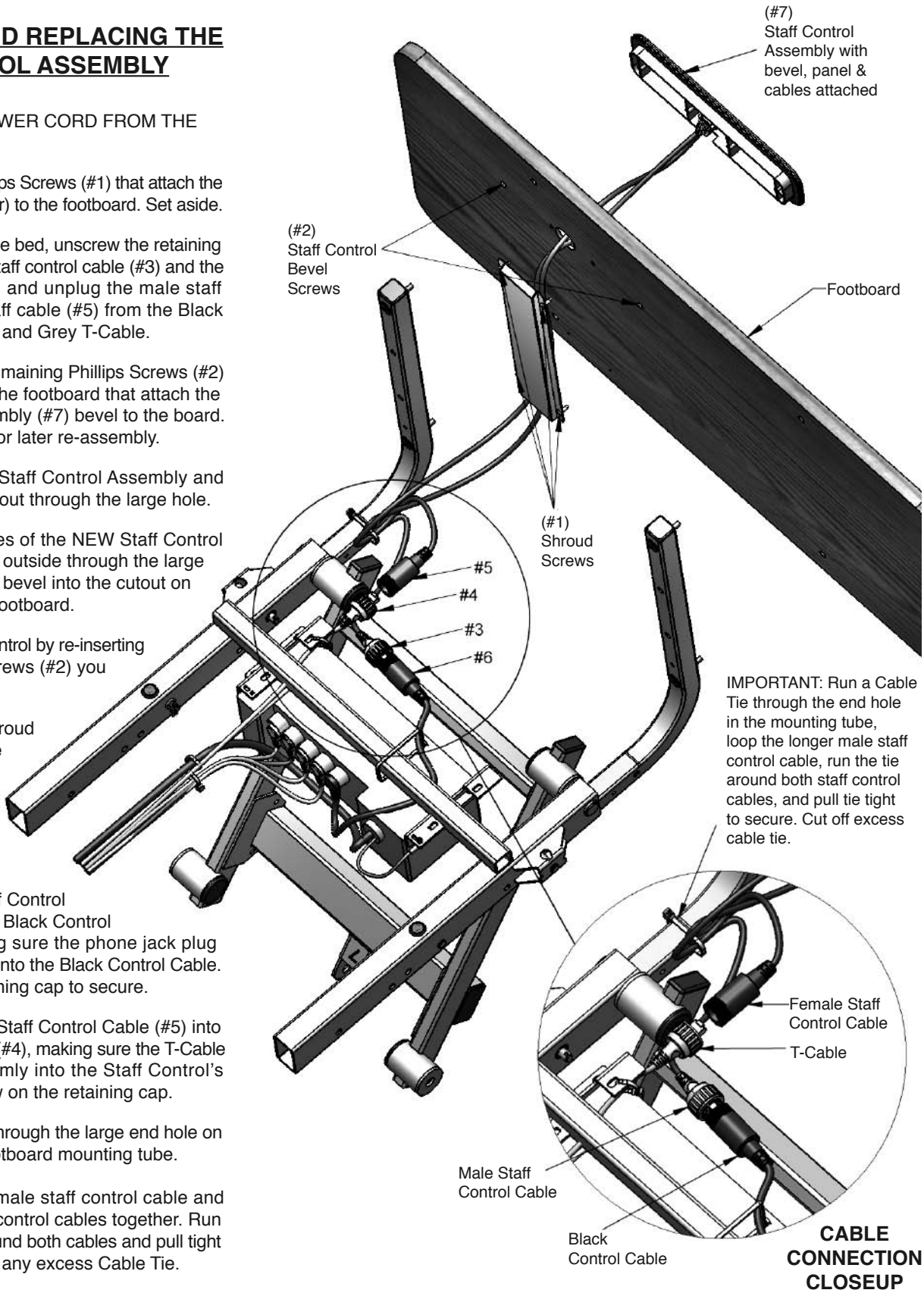


IF YOU NEED TO REPLACE YOUR PENDANT/HAND CONTROLLER PLEASE USE ORDER KIT # 999-0808-112.

TROUBLESHOOTING - STAFF CONTROL

REMOVING AND REPLACING THE STAFF CONTROL ASSEMBLY

1. UNPLUG THE POWER CORD FROM THE WALL OUTLET.
2. Unscrew the 4 Phillips Screws (#1) that attach the Shroud (cable cover) to the footboard. Set aside.
3. At the foot end of the bed, unscrew the retaining caps on the male staff control cable (#3) and the Grey T-Cable (#4) and unplug the male staff cable & female staff cable (#5) from the Black Control Cable (#6) and Grey T-Cable.
4. Unscrew the two remaining Phillips Screws (#2) from the inside of the footboard that attach the Staff Control Assembly (#7) bevel to the board. Set aside screws for later re-assembly.
5. Remove the OLD Staff Control Assembly and fish the old cables out through the large hole.
6. Feed the two cables of the NEW Staff Control Assembly from the outside through the large hole and insert the bevel into the cutout on the outside of the footboard.
7. Secure the Staff Control by re-inserting the two Phillips Screws (#2) you removed in Step 4.
8. Re-position the Shroud on the inside of the footboard and secure with the four Phillips Screws (#1) you removed in Step 2.
9. Plug the Male Staff Control Cable (#3) into the Black Control Cable (#6), making sure the phone jack plug is seated correctly into the Black Control Cable. Screw on the retaining cap to secure.
10. Plug the Female Staff Control Cable (#5) into the Grey T-Cable (#4), making sure the T-Cable plug is seated firmly into the Staff Control's receptacle. Screw on the retaining cap.
11. Run a Cable Tie through the large end hole on the right-hand footboard mounting tube.
12. Loop the longer male staff control cable and gather both staff control cables together. Run the Cable Tie around both cables and pull tight to secure. Cut off any excess Cable Tie.



CABLE CONNECTION CLOSEUP

TROUBLESHOOTING MOTOR CABLES & CONTROL BOX

1. HEAD, FOOT, OR HI/LO FUNCTION NOT WORKING

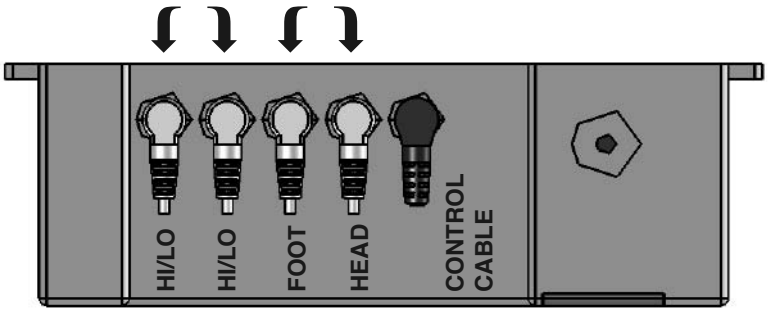
a. Check plugs to make sure they are firmly seated in all ports on your Control Box.

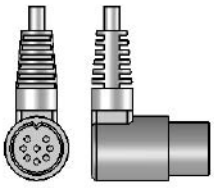
b. Check all cables to make sure they are not frayed, pinched, or damaged in any way. If any cable is damaged, UNPLUG YOUR BED'S POWER CORD FROM THE WALL OUTLET and REPLACE THE CABLE AND/OR THE ELECTRONIC COMPONENT.

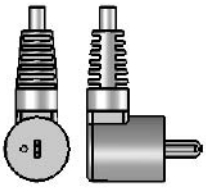
c. HEAD DECK NOT RAISING - Unplug the power cord. Switch the head and foot plugs. Re-plug the power cord and press the foot buttons to test.
WORKS = Control Box head port bad - Replace box. See page 27.
DOESN'T WORK = Replace Head Motor. See page 27 for order information.

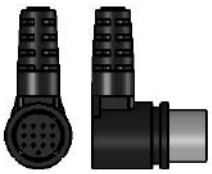
d. FOOT DECK NOT RAISING - Unplug the power cord. Switch the foot and head plugs. Re-plug the power cord and press the head buttons to test.
WORKS = Control Box head port bad - Replace box. See Page 27.
DOESN'T WORK = Replace Foot Motor. See page 27 for order information.

e. YOUR BED DOES NOT GO UP AND DOWN IN A HORIZONTAL POSITION - If you press the Up or Down Hi/Lo button and you hear a click or buzz but nothing happens - Check your Hi/Lo motors by touching them & pushing the hi/lo buttons.
i) **YOU FEEL NOTHING** = Possible bad motor - go to iii
ii) **YOU FEEL SLIGHT VIBRATION** = Motor OK
iii) Unplug the power cord. Switch the two Hi/Lo plugs in the Control Box Re-plug the power cord and press the same hi/lo button, then touch the same non-vibrating motor.
MOTOR NOW VIBRATES = Bad port in the Control Box - Replace box. See Page 27.
MOTOR DOES NOT VIBRATE = Replace the bad Hi/Lo Motor. See page 27 for order information.




HI/LO PLUGS
8 PIN DIN


HD/FT PLUGS
2 PRONG


CONTROL PLUG
13 PIN DIN

NOTE: THE HI/LO PLUGS ARE DIFFERENT THAN THE HEAD AND FOOT PLUGS AND, THEREFORE, ARE NOT INTERCHANGEABLE. THIS IS BECAUSE THE HI/LO MOTORS ARE MEANT TO MOVE IN TANDEM WHILE THE HEAD/FOOT MOTORS MOVE INDEPENDENTLY.

f. ONE HI/LO MOTOR GOES FURTHER UP OR DOWN - The motors have gone out of alignment or you have replaced a Hi/Lo motor and they need to be re-synchronized. See following page for **RE-ALIGNMENT** instructions.

QUICK REFERENCE

- **HI/LO & FOOT WORKS, BUT HEAD DOES NOT** Switch Head & Foot Motor Cable at Control Box and test (See Step C in left column)
- **HI/LO & HEAD WORKS, BUT FOOT DOES NOT** Switch Foot & Head Motor Cable at Control Box and test (See Step D in left column)
- **HEAD & FOOT WORKS, BUT HILO DOES NOT**
  i) Switch HI/LO Motor Cables at Control Box and test (See Step E in left column)
  ii) Test to see if Hi/Lo Motors need to be re-aligned (See Step F above)

RE-ALIGNMENT OF HI/LO MOTORS

The Zenith 7000 Hi/Lo Motors are aligned and synchronized to work smoothly in tandem with one another. In the event of a power surge or power outage, or if you are replacing an existing motor, it may be necessary to "re-align" your Hi/Lo motors. You will know that they need this process if the bed appears to be out of its horizontal position when laying flat (i.e the head end or foot end is tilting slightly downward or upward.

"RE-ALIGNMENT" is a fairly easy process and can be completed within a matter of minutes using the beds pendant/ hand controller. The procedure is described below.

STEP 1: Unplug the beds power cord from the wall outlet. Disconnect the Hand Control from the T-Cable on either side of the bed.

STEP 2: The 7000 bed can be purchased with an optional Staff Control in the footboard. Disconnect the short, black Control Cable and grey T-Cable from the staff control cables running from underneath the metal shroud on the inside of the footboard.

STEP 3: Plug the Hand Control plug directly into the short, black Control Cable at the foot end. (*This will eliminate the staff control from the re-alignment process.*) Make sure the pendant's phone jack is seated properly and firmly inside the Control Cable plug. Re-plug the power cord into the wall outlet.

STEP 4: Using the Hi/Lo "DOWN" button on the Hand Controller, lower the bed until it won't go any further.

STEP 5: Once the bed has stopped, press the DOWN Hi/Lo button for 15-20 SECONDS to enter into the re-calibration mode.

STEP 6: Release the "DOWN" Hi/Lo button.

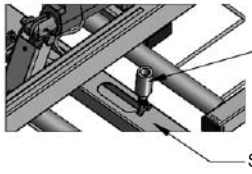
STEP 7: Press the "DOWN" Hi/Lo button again to see if the bed will lower any more. If it still lowers, continue pressing the "Down" button repeatedly until the bed has reached its final horizontal, down position and CANNOT MOVE ANY FURTHER. (*If you have installed a new Hi/Lo motor and your bed is angled, this process will lower the extended hi/lo motor until it is re-aligned with the new motor.*)

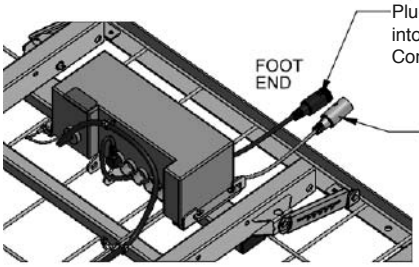
STEP 8: Unplug the beds power cord from the wall outlet. Unplug the Hand Control plug from the short, black Control Cable and re-plug into the T-Cable plug on either side of the beds seat pan (your preference).

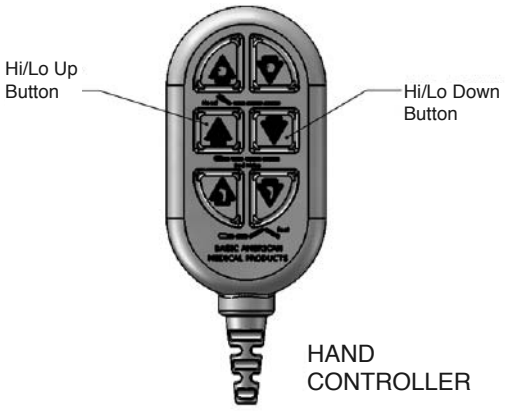
STEP 9: Re-plug the black Control Cable and grey T-Cable end plugs into their corresponding Staff Control Cable ends. Make sure plugs are firmly seated. Re-plug the power cord into the outlet.

STEP 10: Using your Hand Control, test the Hi/Lo motor functions by pressing the UP and DOWN buttons, making sure the bed goes up and down smoothly.

STEP 11: If you are still having trouble with a Hi/Lo motor function, please see previous page to test motors and cables.







IF YOU ARE STILL HAVING TROUBLE WITH THE HI/LO FUNCTION ON YOUR BED AFTER FOLLOWING THESE INSTRUCTIONS, PLEASE CONTACT ONE OF OUR CUSTOMER SERVICE REPRESENTATIVES AT 1-800-365-2338.

RECOMMENDED MAINTENANCE AND INSPECTION

Maintenance Inspection of All Components (Receipt of shipment)

- Make sure all parts/components are included (Please see page 8 - "Unpacking Your Bed".
- Check all bed components for obvious damage.
- Inspect the Power Supply Cord for any cuts and/or damage.
- Check to see all actuator cords are routed and connected properly to the control box.

Mechanical Inspection of Assemblies (6 months)

- Inspect all welds on the sleeping surface, frame, and base assemblies for stress fractures.
- Inspect all fasteners for wear and looseness.
- IMPORTANT: Lubricate all pivot points, actuator clevis pins, and control arm clevis pins as needed. White Lithium Grease is recommended.

Mechanical Inspection of Casters & Pedal Locking Mechanism (3 months)

- Check the pedal locking mechanism to make sure it engages and disengages properly.
- Check the bottom foot pads on the foot end casters, making sure they are clean of debris and undamaged. Replace if needed.
- Check all casters to ensure that they roll properly and are unobstructed.

Electrical Inspection of Control Box (6 months)

- Check the power cord connected to the control box for any chafing, cuts or wear.
- Make sure all attaching hardware is securely tightened.
- Check all electrical connections for any wear or fractures.
- Check your 9V battery (see page 19). Replace if needed.

Electrical Inspection of Pendant and Staff Control (6 months)

- Check the pendant cord for any chafing, cuts or wear.
- Check all pendant functions . . .
  - ✓ Head raises and lowers properly
  - ✓ Foot raises and lowers properly
  - ✓ Entire bed raises and lowers properly.
- Check to make sure each button and associated function work properly (i.e. the head section raises when the Head Up button is activated).

Electrical Inspection of Actuators (3 months)

- Check the actuator cords for any chafing, cuts or wear.
- Check the range of movement on all motors to ensure they do not bind in the Full Up and Full Down positions.
- Make sure the bed is sitting horizontally (parallel to the floor) when in its full down position. If not, please see pages 24 and 25.

WARRANTY

- 15 Years on Frame
- **5 Years on Motors and Control Box**
  (longest motor warranty in the industry)
- 3 Years on Other Electronics

The warranties contained herein contain all the representations and warranties with respect to the subject matter of this document, and supersede all prior negotiations, agreements and understandings with respect thereto. The recipient of this document hereby acknowledges and represents that it has not relied on any representation, assertion, guarantee, warranty, collateral contract or other assurance, except those set out in this document.

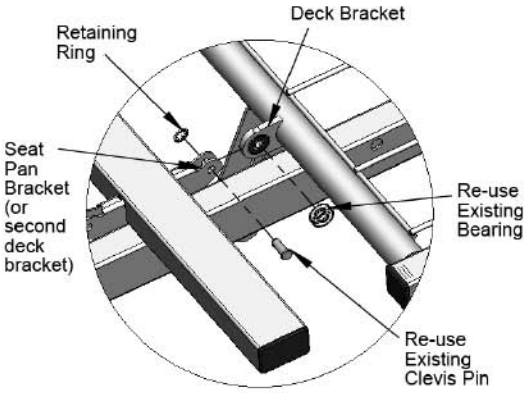
SERVICE/REPLACEMENT PART RECORD (Page 1)

DECKING					
Part Number	**Description**		**QTY**	**Order Date**	**Pkg Price**
999-0844-920SP	Head/Back Deck & Hardware Pack		1 Deck		
999-0844-930SP	OR - Foot Deck & Hardware Pack		1 Deck		
999-0844-940SP	OR - Knee Deck & Hardware Pack		1 Deck		
	Deck Hardware Pack - INCLUDES . . .		1 Pkg		
	4	Clevis Pins			
	5	5/16” Retaining Rings (Deck Brackets)			
	2	12mm Retaining Ring (Cntrl Arms to Decks)			
	1	Installation Instruction Sheet			
MOTORS (ACTUATORS)					
Part Number	**Description**		**QTY**	**Order Date**	**Price**
999-0843-251SP	Hi/Lo Motor (Cable attached) & Hardware Pack		1 Motor		
999-0844-052SP	OR - Head Motor (Cable attached) & Hardware Pack		1 Motor		
999-0844-053SP	OR -Foot Motor (Cable attached) & Hardware Pack		1 Motor		
	Motor Hardware Pack - INCLUDES . . .		1 Pkg		
	2	12mm Retaining Rings			
	2	Hair Pin Clips			
	2	Snap Rings			
	8	Standard Cable Ties			
	1	Installation Instruction Sheets			
CONTROL BOX					
Part Number	**Description**		**QTY**	**Order Date**	**Price**
999-0844-300SP	IIcon Control Box & Hardware Pack		1 Control Box		
	Control Box Hardware Pack - INCLUDES . . .		1 Pkg		
	1	Extra Ground Screw			
	10	Standard Cable Ties			
	1	Installation Instruction Sheet			
CONTROL CABLE					
999-0844-200SP	Black Control Cable		1 Cable		
	Control Cable Hardware Pack - INCLUDES . . .				
	4	Standard Cable Ties			
	1	Installation Instruction Sheet			

SERVICE/REPLACEMENT PART RECORD (Page 2)

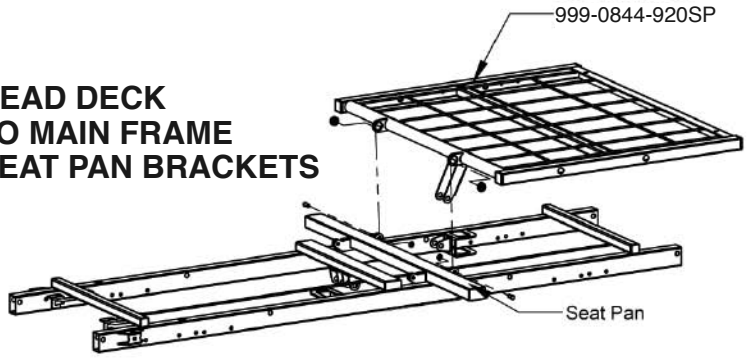
PENDANT/STAFF CONTROL					
Part Number	**Description**		**QTY**	**Order Date**	**Price**
999-0808-112	Pendant with Alligator Clip		1		
999-0791-000	Replacement Pendant Holster		1		
PENDANT T - CABLE					
Part Number	**Description**		**QTY**	**Order Date**	**Price**
999-0844-201SP	Grey Single T-Cable & Hardware Pack		1 Cable		
	T-Cable Hardware Pack - INCLUDES . . .		1 Pkg		
	2	Split Stem Cable Retainers			
	4	Push Cable Ties			
	6	Standard Cable Ties			
	1	Installation Instruction Sheet			
STAFF CONTROL					
Part Number	**Description**		**QTY**	**Order Date**	**Pkg Price**
999-0775-901	Switch Pad with Bezel & Cables		1 Unit		
ZL788000	**Staff Control Service Pack - INCLUDES . . .**		1 Pkg		
PLEASE SEE PAGE 10 FOR INSTALLATION INSTRUCTIONS	1	Switch Pad with Bezel & Cables			
	1	Shroud (Cable Cover)			
	6	#6 Phillips Head Truss Screws			
	3	4” Nylon Cable Tie			
	1	Installation Instruction Sheet			
CAPS & PLUGS					
Part Number	**Description**		**QTY**	**Order Date**	**Pkg Price**
NOTE: CAPS & PLUGS CAN ONLY BE PURCHASED IN SETS OF 12					
100-4200-004PK	**1.25” x 1.25” Square Caps Pack**		12/pkg		
100-4700-015PK	**1.00” x 1.00” Square Caps Pack**		12/pkg		
100-4700-017PK	**1.00” x 2.00” Rectangular Caps Pack**		12/pkg		
100-4700-018PK	**1.25” x 2.00” Rectangular Caps Pack**		12/pkg		
100-4715-011PK	**1.50” Round End Caps Pack (cover arm bearings)**		12/pkg		
999-0775-001PK	**Half Moon End Caps Pack (caster bases)**		12/pkg		
100-4762-002PK	**5/8” Round Plugs Pack (both sides of foot deck)**		12/pkg		
100-4738-005PK	**3/8” Round Plugs (on main frame rails - foot end)**		12/pkg		
FOR GENERAL CAP/PLUG LOCATION DIAGRAMS, PLEASE SEE PAGES 31 & 32					

SERVICE/REPLACEMENT PART DIAGRAM - DECKING

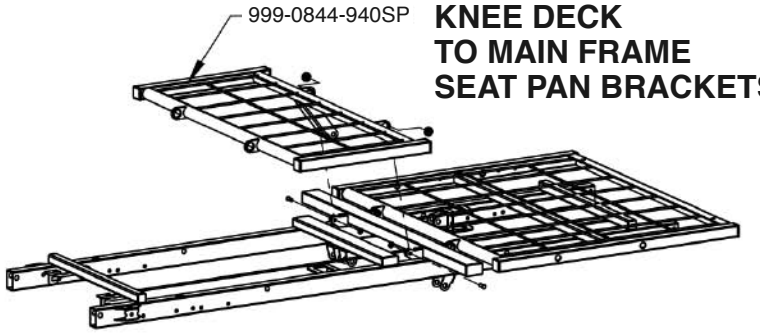


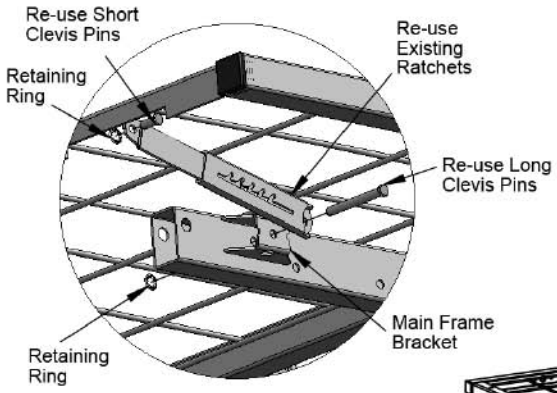
DETAIL OF DECK ATTACHMENT (Similar for all decks)

HEAD DECK TO MAIN FRAME SEAT PAN BRACKETS



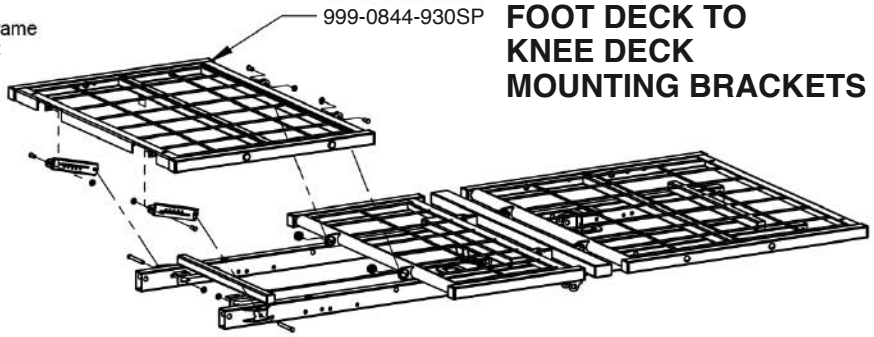
KNEE DECK TO MAIN FRAME SEAT PAN BRACKETS





DETAIL OF EDEMA RATCHET RE-ATTACHMENT (Use existing ratchets)

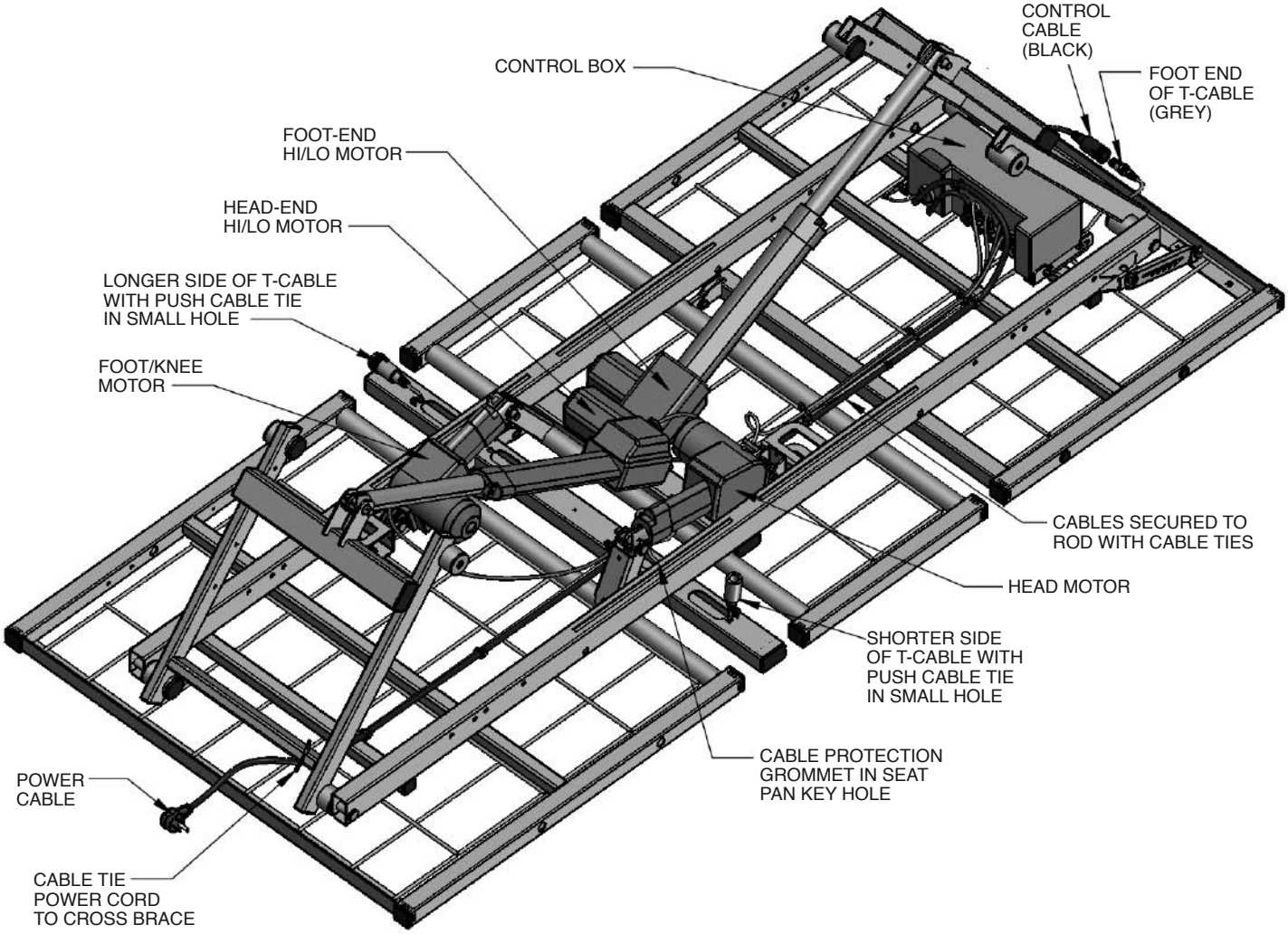
FOOT DECK TO KNEE DECK MOUNTING BRACKETS



1. **TO ORDER A REPLACEMENT HEAD DECK USE SERVICE PACK # 999-0844-920SP** (includes deck, mounting hardware & installation instruction sheet).
2. **TO ORDER A REPLACEMENT KNEE DECK USE SERVICE PACK # 999-0844-940SP** (includes deck, mounting hardware & installation instruction sheet).
3. **TO ORDER A REPLACEMENT FOOT DECK USE SERVICE PACK # 999-0844-930SP** (includes deck, mounting hardware & installation instruction sheet). Re-use existing edema ratchets and ratchet hardware.

WHEN ORDERING REPLACEMENT PARTS WITH CUSTOMER SERVICE,
PLEASE HAVE YOUR BED'S SERIAL NUMBER AVAILABLE
TO CONFIRM WHETHER THE PART IS COVERED UNDER WARRANTY.
(SEE PAGE 5 FOR LOCATION OF SERIAL NUMBER ID LABEL)

SERVICE/REPLACEMENT PART DIAGRAM - ELECTRONICS


CONTROL CABLE (BLACK)
FOOT END OF T-CABLE (GREY)
CONTROL BOX
FOOT-END HI/LO MOTOR
HEAD-END HI/LO MOTOR
LONGER SIDE OF T-CABLE WITH PUSH CABLE TIE IN SMALL HOLE
FOOT/KNEE MOTOR
CABLES SECURED TO ROD WITH CABLE TIES
HEAD MOTOR
SHORTER SIDE OF T-CABLE WITH PUSH CABLE TIE IN SMALL HOLE
CABLE PROTECTION GROMMET IN SEAT PAN KEY HOLE
POWER CABLE
CABLE TIE POWER CORD TO CROSS BRACE

1. **TO ORDER A REPLACEMENT HI/LO MOTOR USE SERVICE PACK # 999-0843-251SP** (includes motor, mounting hardware & installation instruction sheet).

2. **TO ORDER A REPLACEMENT HEAD MOTOR USE SERVICE PACK # 999-0844-052SP** (includes motor, mounting hardware & installation instruction sheet).

3. **TO ORDER A REPLACEMENT FOOT MOTOR USE SERVICE PACK # 999-0844-053SP** (includes motor, mounting hardware & installation instruction sheet).

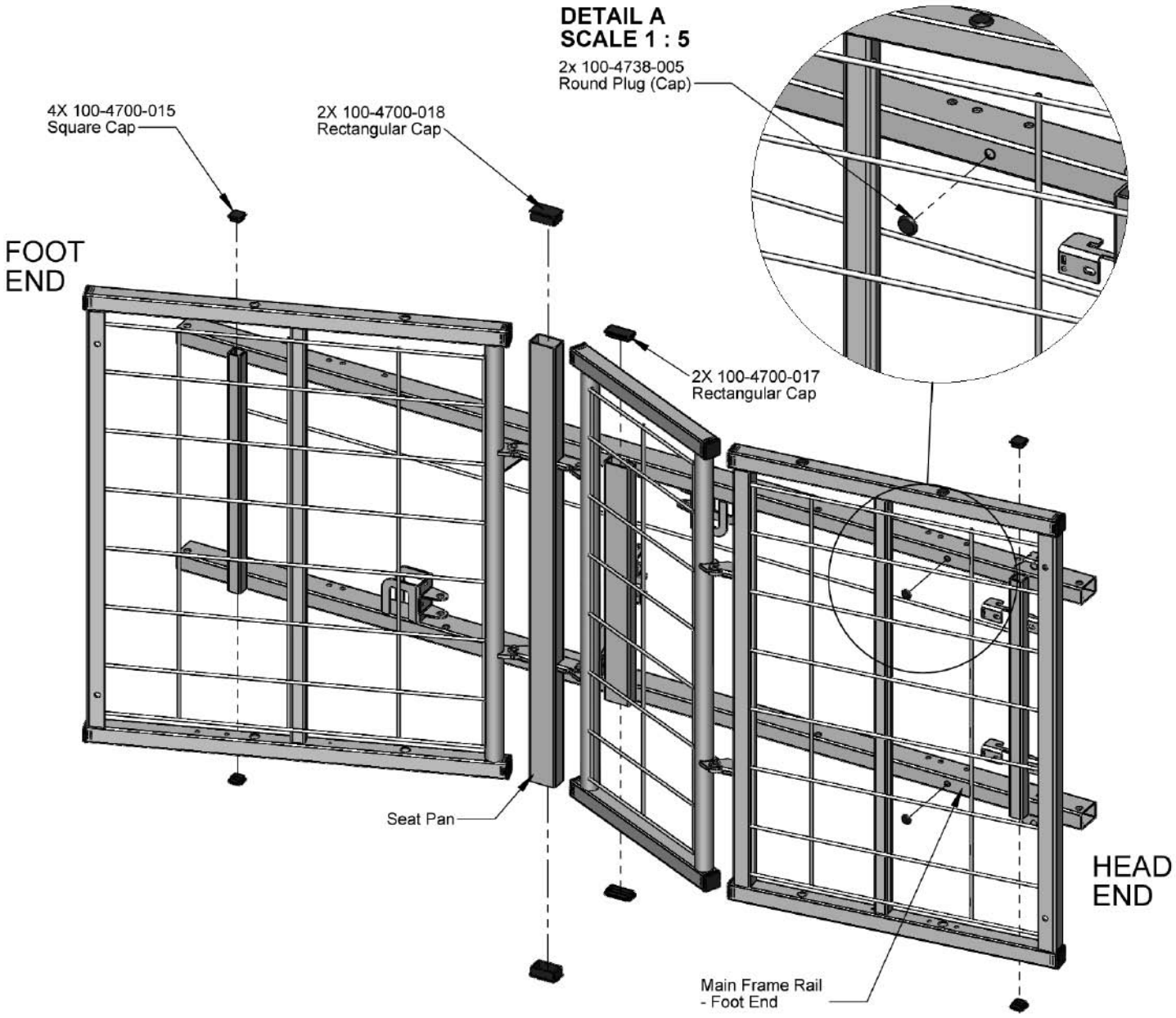
4. **TO ORDER A REPLACEMENT CONTROL BOX USE SERVICE PACK # 999-0844-300SP** (includes control box, cable ties, ground screw & installation instruction sheet).

5. **TO ORDER A REPLACEMENT T-CABLE USE SERVICE PACK # 999-0844-201SP** (includes T-cable, cable ties, grommets & installation instruction sheet).

6. **TO ORDER A REPLACEMENT CONTROL CABLE USE PART # 999-0844-200SP** (includes black control cable and cable ties).

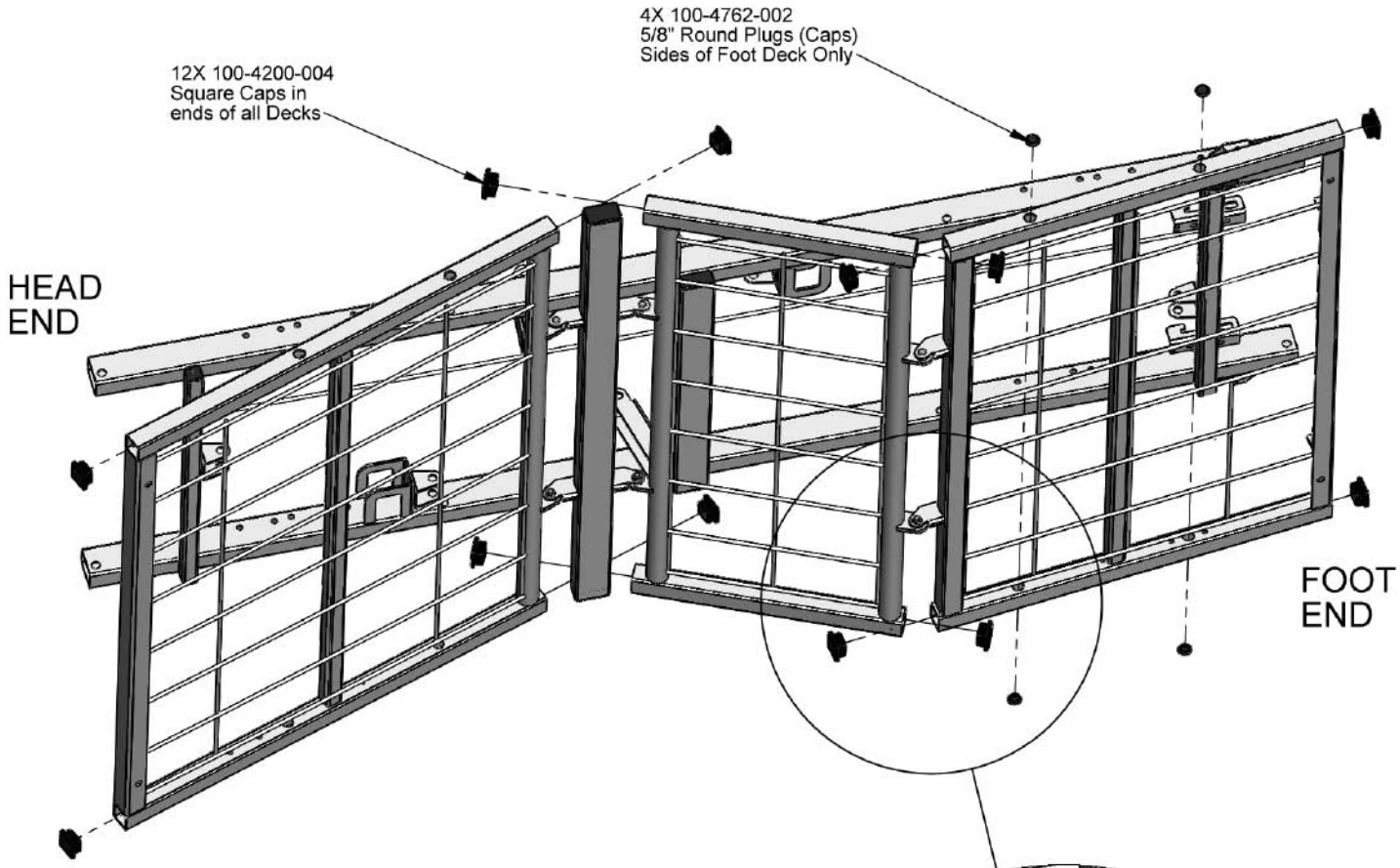
WHEN ORDERING REPLACEMENT PARTS WITH CUSTOMER SERVICE,
PLEASE HAVE YOUR BED'S SERIAL NUMBER AVAILABLE
TO CONFIRM WHETHER THE PART IS COVERED UNDER WARRANTY.
(SEE PAGE 5 FOR LOCATION OF SERIAL NUMBER ID LABEL)

SERVICE/REPLACEMENT PART DIAGRAM - MAIN FRAME CAPPING

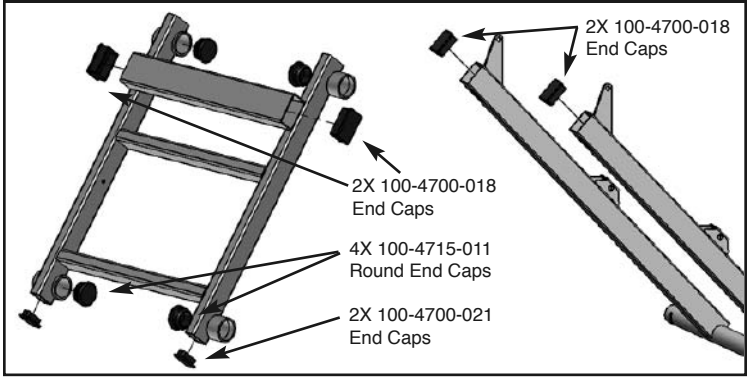


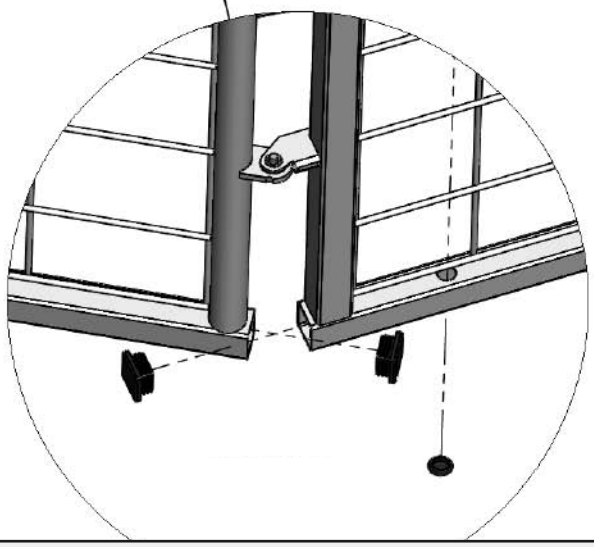
CAPS OR PLUGS ARE NOT COVERED UNDER WARRANTY.
(PACKS OF 12 CAN BE ORDERED IN THE EVENT YOU DAMAGE OR LOOSE
ANY CAPS/PLUGS ON YOUR BED - SEE BOTTOM OF PAGE 28 FOR ORDER NUMBERS)

SERVICE/REPLACEMENT PART DIAGRAM - CAPPING ON HEAD, KNEE, AND FOOT DECKS



CAPPING ON ARMS & LEGS





CAPS OR PLUGS ARE NOT COVERED UNDER WARRANTY.
(PACKS OF 12 CAN BE ORDERED IN THE EVENT YOU DAMAGE OR LOOSE ANY CAPS/PLUGS ON YOUR BED - SEE BOTTOM OF PAGE 28 FOR ORDER NUMBERS)

NOTES

336 Trowbridge Dr. • Fond du Lac, WI 54937
Customer Service: 1.800.365.2338 • Fax: 920.929.8213
www.grahamfield.com

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